

# FLOWER CATALOGUE

2018-2020



*профессиональный посадочный материал*

**семена про**



**TAKII SEED**

Creating Tomorrow Today

# TAKII'S WORLD NETWORK



Takii Europe B.V.



Qingdao Huang Long Seeds Co., Ltd



## All-America Selections and Fleuroselect Gold Medal Winners

Takii is a member of both All-America Selections (AAS) and Fleuroselect organizations. It is our great pleasure to present a number of prestigious varieties awarded by AAS and Fleuroselect in this catalogue. Varieties with logos of AAS and/or Fleuroselect are indicators for our recommendation of items for your variety selection.



### All-America Selections National Winner

Awarded only to new varieties that perform best in garden performance trials over all of North America



### All-America Selections Regional Winner

Awarded only to new varieties that performed particularly well in certain regions in North America



### Fleuroselect Gold Medal

Rewards true breeding innovations evaluated through trials of new ornamental varieties at 18 private trial grounds across Europe



### Fleuroselect Quality

Only granted to new varieties showing clear improvements from existing varieties



### Fleuroselect Approved Novelty

New varieties that have been recognized to be sufficiently new and different versus existing cultivars and have passed the rigorous requirement for uniformity

1978



Dianthus, F1 Carpet Snow Fire



Zinnia, F1 Sun Red

1979



Zinnia, F1 Sun Gold

1982



Dianthus, F1 Telstar Mix

1989



Dianthus, F1 Telstar Crimson

1989



Dianthus, F1 Telstar Picotee

## NORTH AMERICA

UNITED STATES OF AMERICA  
Salinas



American Takii, Inc.



Head Office

## SOUTH AMERICA

BRAZIL  
Sao Paulo



Takii do Brasil Ltda.



Takii Korea Co., Ltd.

The high quality of Takii's seed products, developed over a long history and experience of over 180 years, are widely recognized not only in Japan but also in many countries around the world. We continue to make every endeavor to improve seed quality in order to meet the highest level of demand.

### 1990

-  Achillea, F2 Summer Pastels
-  Celosia, Castle Pink

### 1992

-  Canna, Tropical Rose
-   Salvia, Hummingbird Lady in Red

### 1997

-   Zinnia, Crystal White
-   Delphinium, F1 Centurion Sky Blue

### 1999

-  Osteospermum, Passion Mix

### 2007

-  Petunia, F1 Opera Supreme Pink Morn
-   Viola, F1 Floral Power Orange Red Wing

### 2011

-  Brassica, F1 Glamour Red

### 2011-2012

-    Salvia, Summer Jewel Red

### 2012

-  Salvia, Summer Jewel Pink
-   Alcea, Spring Celebrities Crimson

### 2013

-  Canna, F1 South Pacific Scarlet

### 2015

-  Salvia, Summer Jewel White

### 2016

-  Salvia, Summer Jewel Lavender
-  Verbena, Serenity Pink

### 2017

-  Petunia, F1 Evening Scentsation

### 2018

-  Capsicum, Onyx Red
-   Begonia, F1 Fiona Red
-  Canna, F1 South Pacific Orange

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### Key to Symbols

 Bedding plants    Pot plants    Cut Flowers    Fuel Saving Crop

## Discontinued Item List

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Begonia, F1 Havana Pink
Capsicum, Favorit Deep Orange
Capsicum, Tango series
Capsicum, Shien
Capsicum, Sunshine
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Gerbera, F1 Royal Salmon Rose
Gerbera, F1 Royal Soft Pink
Linaria, Fantasy series (except Autumn Mix and Spring Mix)
Lobelia, Aqua series
Lobularia, Aphrodite Formula Mixture
Melampodium, Casino Light Yellow
Melampodium, Million Gold
Osteospermum, Passion Mix
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Viola, F1 Four Seasons Rose Face
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Antirrhinum, F1 Super White
Antirrhinum, F1 Super Yellow
Callistephus, Nina Rose
Callistephus, Nina White
Callistephus, Daylight Purple
Callistephus, Daylight Red
Callistephus, Daylight Rose
Callistephus, Daylight Violet
Delphinium, F1 Centurion series
Lisianthus, F1 Arena II Apricot
Lisianthus, F1 Falda II Yellow
Lisianthus, F1 Super Magic Light Green
Lisianthus, F1 Vulcan II Champagne
Lisianthus, F1 Vulcan II Deep Violet
Lisianthus, F1 Vulcan II Pink Picotee
Lisianthus, F1 Vulcan II White

THIS SEASON'S HIGHLIGHT



  
Everlast

F1 Everlast Red

# Pelargonium

In 2018 we introduce the F1 Everlast and F1 Marginata series.

These two series are male sterile (MS). Pollination is a natural trigger for the inevitable fading of flowers.

Male sterile plants are unable to pollinate themselves, thereby preventing seed setting and the associated aging of blooms. The lack of ability to self-pollinate also imparts a marked improvement in floriferousness.

Being male sterile gives these series the amazing advantages of a more floriferous habit and longer lasting individual flowers.\* Additionally, they are well branching and come in a wide colour range.

The Marginata series is characterized by gorgeous ruffled foliage with a uniquely narrow and marginally placed zone.

\*When grown in isolation from other Pelargoniums.

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## MARGINATA



F1 Everlast Appleblossom



F1 Everlast Light Salmon



F1 Marginata Salmon



F1 Everlast Red



F1 Everlast Salmon



F1 Marginata Cherry



F1 Marginata Violet



F1 Everlast White



F1 Marginata Deep Red



F1 Marginata White



F1 Arena III Purple

# Lisianthus

We are pleased to introduce eight brilliant new varieties in the F1 Arena, F1 Corelli and F1 Cromia series.

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F1 Corelli II Light Pink



F1 Arena II Purple Picotee

- Stable purple picotee with large flower size
- Earliness is between type II-III



F1 Arena III Hot Pink

- Deeper pink colour compared to Arena III Pink
- Stable doubleness under high temperature
- Slightly later flowering with higher plant height than Arena III Pink



F1 Arena III Purple

- Curly, thick petals with deep purple colour
- Be careful of petal burn under high intensity light conditions



F1 Corelli II Light Pink

- Stable flower colour and thick petals
- Stronger stem with better branching habit
- May have less doubleness under high temperature conditions



F1 Corelli II White Imp

- Large flower with stable fringed flower petals
- Flower neck is shorter and flower colour is more stable than Corelli II White



F1 Croma III Green

- Good branching habit with high number of flower buds
- Slow growth at early stage (after transplanting to rooting stage), but at later stage plants become vigorous and can achieve higher plant height



F1 Croma III Pink Picotee

- Larger with a more open flower shape within Croma series
- Stable doubleness with a high petal count
- Picotee edge is wider than Croma III Blue Picotee
- Easier to achieve higher plant height



F1 Croma III Silky White

- Slightly larger with a more open flower shape compared to Croma III White
- Better branching and flowering earliness between type II and type III

CROMA

# Begonia

The Begonia F1 Fiona is a new semi-double Begonia series. Fiona is uniform, has a tidy growth habit and its compact plants are early blooming and upright flowering. Elegant flowers have good doubleness, outstanding colour and a long flowering time. Two colours are available, Fiona Red and Fiona Rose. Fiona Red was awarded a Fleuroselect Gold Medal in 2018.

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F1 Fiona Red



F1 Fiona Rose



Fiona



# Petunia

We are pleased to introduce a novel variety, F1 Evening Scentsation. Evening Scentsation has a lovely fragrance and stunning colour. Its fragrance has notes of hyacinth, sweet honey and rose. As the name implies, the scent\* is stronger in the evening hours, though it can be experienced throughout the day as well. A multiflora-type Petunia with a low, spreading habit Evening Scentsation covers itself in flowers. A versatile performer, it's a show-stopper whether in a basket, mixed container or garden. F1 Evening Scentsation earned an All-America Selections regional award in 2017. It is the first petunia to receive an AAS for its fragrance.

\*Scent is perceived differently by each individual.

Also, we are introducing F1 Trilogy Salmon Morn to add new colour into Trilogy series.

It has compact mounding plant shape with beautiful salmon morn flower.



F1 Evening Scentsation

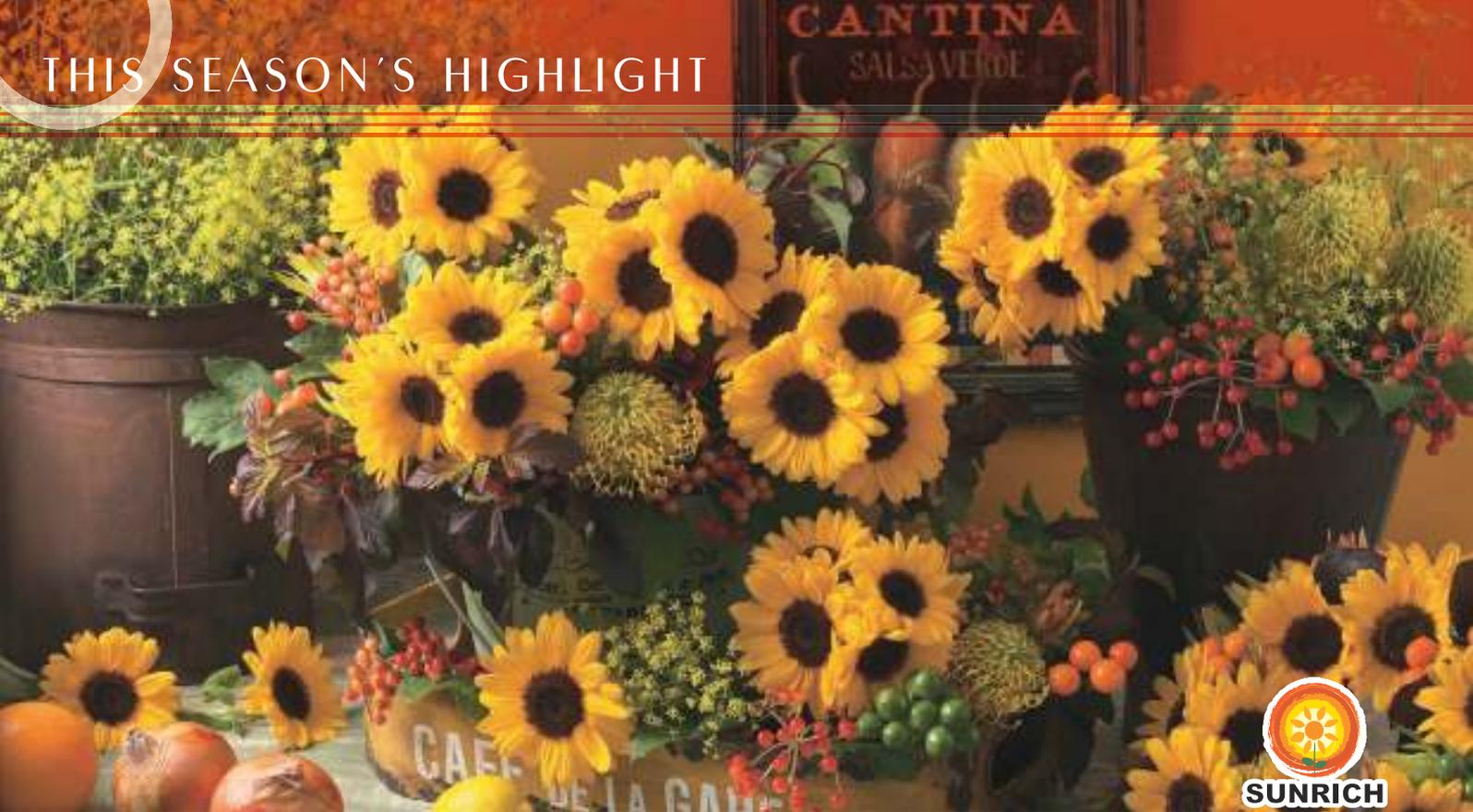


F1Trilogy Salmon Morn



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2018  
NEW

F1 Sunrich Provence Summer

# Helianthus

Presenting F1 Sunrich Provence Summer, new for 2018. A Sunrich Summer type (50-65 day type), the flower of F1 Sunrich Provence Summer has deep orange petals. Each petal is absolute perfection, arranged in a double row around a dark disk. Florist quality only begins to describe the beauty of this variety. It has excellent uniformity and a long vase life. Foliage is compact and deep green.

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# Capsicum

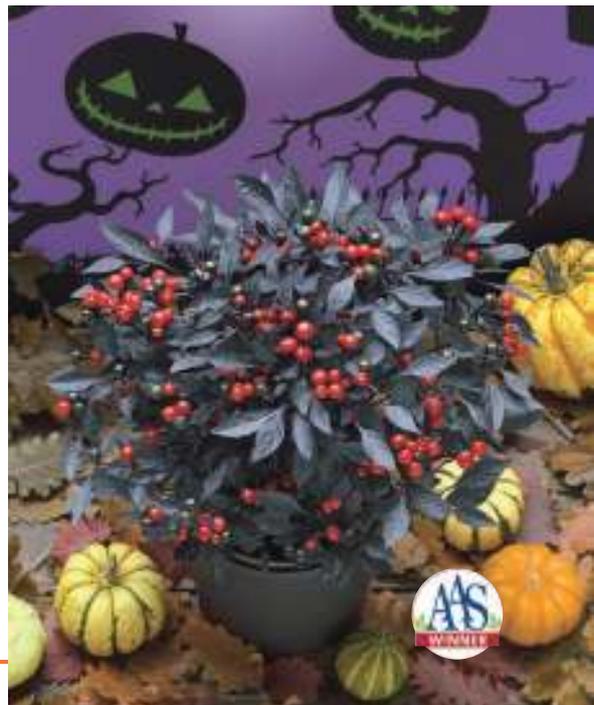
Onyx Red has a compact, well-branched plant habit with eye-catching dark black foliage. The contrast between the petite black foliage and large volume of shiny red fruit is striking in pot and garden. Onyx Red is vigorous yet maintains its compact, tidy habit. A dramatic addition to mixed containers, stunning in pots and an attention grabbing point of contrast in a garden. Onyx Red earned an All-America Selections national award in 2018.



2018  
NEW

Onyx Red

Onyx Red



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# Callistephus

We proudly release a total of seven new varieties with Fusarium resistance, including a new spray-type series with double-flowers, the Fujimi series.

Fujimi has a three-dimensional flower shape.

Due to small leaves and less basal branching, Fujimi is suitable for dense planting.

In the Nina series, we have a new colour, Purple. Nina Purple has good basal branching and hard stems.

In the Daylight series, we are introducing improved Fusarium resistance varieties for three colours, Purple, Red and Rose.

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<Disclaimer>

- \*1. Takii's Fusarium resistant Callistephus highly restricts the growth and development of the above stated pathogen and the damage they cause under normal pathogen pressure when compared to susceptible varieties. It may, however, exhibit some disease symptoms or damage under heavy pathogen pressure.
- \*2. New and / or atypical strains of the specified pathogen may overcome the resistance, sometimes completely.



Fujimi series



Fujimi Coral Rose



Fujimi Purple



Fujimi Scarlet



Nina Purple



Daylight Purple Imp



Daylight Red Imp



Daylight Rose Imp

# NEW FLOWERS LINE UP

LINARIA

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Fantasia Blue



Fantasia Pink



Fantasia Rose



Fantasia White



Fantasia Yellow

# CANNA



2018  
NEW

F1 South Pacific Ivory



2018  
NEW

F1 South Pacific Orange



2018  
NEW

F1 South Pacific Rose



# CAPSICUM



2018  
NEW

Favorit Purple Red



2018  
NEW

Favorit Red



2018  
NEW

Favorit Yellow Red

# OSTEOSPERMUM



2018  
NEW

Passion Formula Mix

# MELAMPODIUM



2018  
NEW

Jackpot Gold



**NEW  
FLOWERS  
LINE UP**



**FLORAL  
POWER**

F1 Floral Power Persian Pink

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**VIOLA**



**2017  
NEW**

F1 Floral Power Blue Picotee



**2017  
NEW**

F1 Floral Power Golden Blues



**2017  
NEW**

F1 Floral Power Jolly Face



**2018  
NEW**

F1 Floral Power Persian Pink

# ANTIRRHINUM



2018  
NEW

F1 Legend Light Pink



2018  
NEW

F1 Legend Light Yellow



# BRASSICA



2018  
NEW

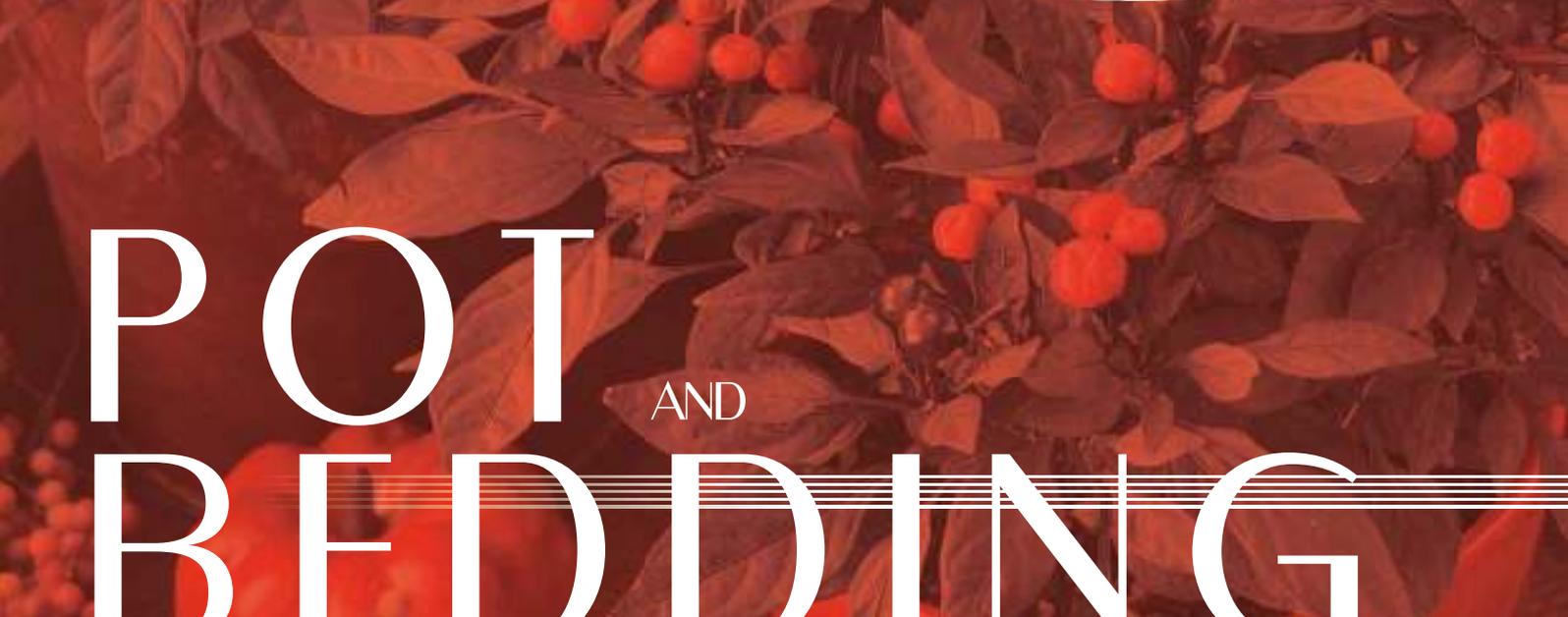
F1 Flare Rose



2017  
NEW

F1 Flare White





# POT AND BEDDING

# F2 Flowerburst™ Red Shades



## *Achillea millefolium*

■ 17-20°C/ 63-68°F 
 ■ 3-4 days 
 ■ 4,500-5,000 sd/g

- An energizing blend of mainly red, rose and violet shades
- An attractive garden plant. Since it is a hardy perennial, it survives a cold winter and blooms every year unless exposed to extreme hot and humid conditions in summer



FACA02

# F2 Summer™ series



## *Achillea millefolium*

■ 17-20°C/ 63-68°F 
 ■ 3-4 days 
 ■ 4,200-5,300 sd/g

- Very hardy perennial for the garden, mass plantings in landscapes, pot use and as a cut
- The Summer series loves sunny conditions and will bloom in Summer - Autumn in the first year, earlier in the second year
- Remove old flowers to encourage new blooms



Berries  
FACA03



Pastels  
FACA04



# Arizona™ series

20-25 cm  
8-10 inches

## *Agastache aurantiaca*

● 20-22°C/ 68-72°F ● 5-7 days ● 1,800-3,000 sd/g

- Very compact and floriferous, and performs well in containers and landscape
- Foliage has pleasant lemon / mint scent
- Fast crop from spring sowing. Easy maintenance
- Will bloom continuously throughout the season without deadheading
- Maintain pH level at 6.4-7.5 and EC at 1.5-2.0. Agastache will exhibit chlorosis if media pH is below 6.2
- Suitable for dry and sunny location. Agastache will not tolerate wet conditions



Sandstone  
FATA22



Sun  
FATA23



Sunset  
FATA21

Mint scent attracts butterflies.



# Spring Celebrities™ series



60-80 cm  
24-32 inches

## *Alcea rosea annua*

■ 15-20°C/ 59-68°F 
 ■ 8-10 days 
 ■ 210-300 sd/g

- Double- to semi-double dwarf Hollyhock which has excellent basal branching
- It flowers in the first year and keeps flowering for three months if conditions are favorable
- Carmine Rose and White may have around 15% single flowers. Other varieties may have a small percentage of single flowers



Apricot  
FHAA07



Carmine Rose  
FHAA02



Crimson  
FHAA09



Lemon  
FHAA03



Lilac  
FHAA04



Pink  
FHAA08



Purple  
FHAA05



White  
FHAA06



Formula Mixture  
FHAA00

Actual colour ratios  
may vary from image



Its flower spikes give the garden height and volume.

# F1 Magic™ series



15-20 cm  
6-8 inches

## *Antirrhinum majus*

Light required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 4,500-9,200 sd/g

- Vigorous and uniform, Magic blooms early and continues to bloom throughout the season on well-branched plants
- Dwarf plant for pack, pot, mixed container and garden use



Magic will paint your garden with vibrant colors



Bronze  
FKG507



Deep Rose  
FKG508



Orange  
FKG504



Orange and White  
FKG524



Purple  
FKG506



Purple Rose  
FKG512



Purple and White  
FKG521



Red  
FKG501



Red and White  
FKG523



Rose Eye  
FKG514



White  
FKG509



Yellow  
FKG516



Formula Mix  
FKG519

# F1 Fiona™ series 20-25 cm 8-10 inches

## *Begonia semperflorens*

Light required ● 22-24°C/ 72-75°F ● 15-20 days ● 750-1,000 pel/g

- Excellent uniformity for semi-double type Begonia semperflorens
- Early flowering habit is same as standard single varieties. Plant habits are also comparable to them
- Fiona Red is awarded 2018 Fleuroselect Gold Medal



Red  
FBG202



Rose  
FBG201



# Fiona



# F1 Monza™ series



## *Begonia semperflorens*

Light required ■ 22-24°C/ 72-75°F ■ 15-20 days ■ 1,000-1,500 pel/g

- Very early, large flowers on strong, compact plants
- Monza maintains its excellent plant shape even after being transplanted into the garden
- Appleblossom flowers vary in colour from appleblossom to almost white, and approx. 10% of plants show white flowers



Appleblossom  
FBGG11



Blush  
FBGG18



Coral  
FBGG12



Pink  
FBGG13



Rose  
FBGG14



Scarlet  
FBGG16



White  
FBGG17

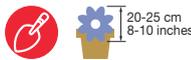


Formula Mixture  
FBGG10

# MONZA



# F1 Havana™ series



## *Begonia semperflorens*

Light required ■ 22-24°C/ 72-75°F ■ 15-20 days ■ 1,000-1,500 pel/g

- Same plant habit as Monza series but with extremely dark-bronze foliage
- Havana provides a wonderful alternative to green-leaved varieties

# HAVANA



Rose  
FBGG03



Scarlet  
FBGG02



White  
FBGG05



Formula Mixture  
FBGG00

### Fringed leaved type

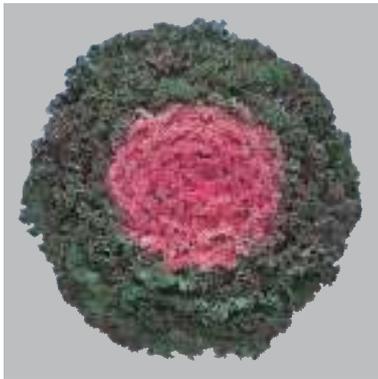
- The edges of all the leaves are finely ruffled
- Fringed-leaved types have better colour development under warm conditions compared to other types

# F1 Kamome™ series 15-25 cm 6-10 inches

## *Brassica oleracea*

■ 20-25°C/ 68-77°F 
 ■ 4-5 days 
 ■ 350-640 sd/g

- Kamome can withstand frosts and freezes
- One of the few items that can be enjoyed in the winter garden



Pink  
FHB573



Red  
FHB571



White  
FHB572



Brassica adds luxuriance to the winter garden.

**Round leaved type**

- Compact, dwarf plants with uniform, round-shaped, solid heads and slightly waved leaves

# F1 Pigeon™ series




15-25 cm  
6-10 inches
***Brassica oleracea***

● 20-25°C/ 68-77°F ● 4-5 days ● 190-560 sd/g

- Pigeon series has a robust habit and is suitable for landscape use



Purple  
FHB514



Red  
FHB511



Victoria  
FHB501



White  
FHB512

# F1 Song Bird™ series




15-25 cm  
6-10 inches
***Brassica oleracea***

● 20-25°C/ 68-77°F ● 4-5 days ● 200-330 sd/g

- Song Bird series has excellent doubleness with a compact habit
- Available in Pink, Red, and White, 3 colours that bring out the beauty in winter gardens and mixed containers



Pink  
FHB533



Red  
FHB531



White  
FHB532



## Feather leaved type

- These varieties are all deeply serrated and have a larger head than other types

# F1 Coral™ series



### Brassica oleracea

■ 20-25°C/ 68-77°F 
 ■ 4-5 days 
 ■ 230-370 sd/g

- Vigorous plants with thick, sturdy stems with moderate length
- Recommended for culture to aim for large size head



Prince  
FHB612



Queen  
FHB611

# F1 Peacock™ series



### Brassica oleracea

■ 20-25°C/ 68-77°F 
 ■ 4-5 days 
 ■ 200-300 sd/g

- The plants can withstand moderate frosts and freezes and work well in wet conditions as their open feathery leaves are less likely to trap and hold water than fringed- and round-leaved types



Red  
FHB621



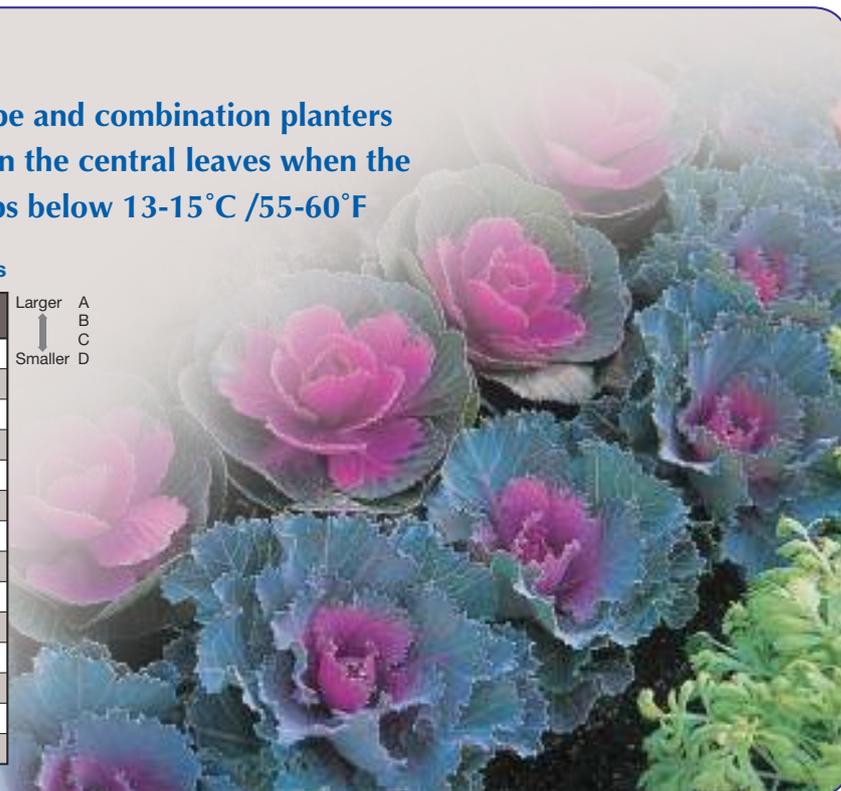
White  
FHB622

### Takii's Brassica:

- Unique in the garden landscape and combination planters
- Heads begin to show colour on the central leaves when the air temperature regularly drops below 13-15°C /55-60°F

#### Variety Comparison among Bedding types

Variety	Diameter of Flower Head	Larger	A
Song Bird Red	D	Smaller	A B C D
Song Bird White	D		
Song Bird Pink	D		
Kamome Pink	C		
Kamome Red	C		
Kamome White	C		
Pigeon Purple	C		
Pigeon Red	C		
Pigeon Victoria	C		
Pigeon White	C		
Coral Prince	B		
Coral Queen	B		
Peacock Red	A		
Peacock White	A		



## Zen™ series



### *Calendula officinalis*

Dark required ■ 21-24°C/ 70-75°F ■ 8-10 days ■ 100-200 sd/g

- Uniquely compact, bushy plants with double flowers
- Suitable for both pot and bedding use
- Flower size: 7-8 cm/ 3 inches



Gold  
FKN321



Orange  
FKN322

## F1 Takion™ series



### *Campanula persicifolia*

■ 15-20°C/ 59-68°F ■ 15-18 days ■ 8,500-17,000 sd/g

- Takion has a very good basal branching habit with 6-8 sturdy stems of showy, long-lasting bell-shaped flowers in spring
- Very hardy and survives at least to -10°C/ 14°F
- Makes excellent garden perennial as well as a beautiful pot crop



Blue  
FTU521



White  
FTU522

### Vernalisation Tips for Takion

- \* After plants attain mature vegetative growth, they require vernalisation
- \* The plants require about one month of temperatures below 8°C/46°F  
They endure light frost
- \* After vernalisation, heating at 10-15°C/50-60°F accelerates the flowering by approximately one month
- \* The advantage of Takion is that it grows faster and comes into flower in a shorter period of time  
Sow the seed in the autumn, it will flower in the spring



# Tropical™ series

60-75 cm  
24-30 inches

## *Canna generalis*

Temp. fluctuation is preferable ■ 20-30°C/ 68-86°F ■ 10-15 days ■ 3-7 sd/g

- Canna Tropical series is a seed product and is extra dwarf
- Production period is fast and plants are characterized by readily producing offsets, making full finished pots with tremendous consumer appeal
- Tropical White produces flowers with or without pink spots, with the flowers on individual plants exhibiting the same degree of spotting
- Prefers warm and humid conditions over 25°C/ 77°F



It is possible to have a water garden with canna Tropical



Bronze Scarlet  
FCA211



Red  
FCA121



Rose  
FCA122



Salmon  
FCA124

Tropical Bronze Scarlet, released in 2010, is the first bronze leaved Canna from seed



White  
FCA127



Yellow  
FCA126

# F1 South Pacific™ series

65-80 cm  
26-32 inches

## *Canna generalis*

● 20-30°C/ 68-86°F ● 10-15 days ● 3-7 sd/g

- The first F1 Canna series from seed
- Better uniformity at its early stage of germination compared with our existing variety, Tropical series
- Good basal branching
- Scarlet and Orange earned AAS awards
- Being from seed, the South Pacific series is not prone to diseases often transmitted in rhizome propagation
- The vibrant colours of the large flowers creates a dramatic and tropical feel
- Use this striking beauty in planters, mixed containers, gardens, landscapes and in shallow areas of water features

South Pacific  F1 Canna





Ivory  
FCA403



Orange  
FCA404



Rose  
FCA402



Scarlet  
FCA401





# Onyx™ Red



20-25 cm  
8-10 inches

## *Capsicum annuum*

● 20-22°C/ 68-72°F ● 5-7 days ● 450-500 sd/g

- 2017 AAS award winner
- An unprecedented compact, black-leaved capsicum
- Compact, well-branched plant habit with eye catching dark black foliage
- Ball-shaped fruit matures from black to red



FTG161



# Onyx™ Red

Onyx Red's young fruit is glossy black. The combination of black fruit and black foliage makes a very stylish impression.

# Conga™



## Capsicum annum

■ 20-22°C/ 68-72°F 
 ■ 5-7 days 
 ■ 280-300 sd/g

- Dark Purple foliage with fruit that matures from purple to deep orange
- A stand-alone variety with a plant habit between Mambo and Salsa series
- The plant can be ready for sales two weeks earlier because fruit is already attractive purple at the start



FTGH11

Capsicum (Ornamental Pepper)



# Cubana™ series



## Capsicum annum

■ 20-22°C/ 68-72°F 
 ■ 5-7 days 
 ■ 150-210 sd/g

- Excellent large fruit on top of vigorous plant
- Oval type of fruit with five colours can be used in various combinations in mixed containers and pots



Deep Orange  
FTGG94



Multicolor Orange  
FTGG96



Multicolor Red  
FTGG97



Red  
FTGG92



Yellow  
FTGG93



Mixture  
FTGG90





# Favorit™ series



10-15 cm

4-6 inches



## Capsicum annuum

● 20-22°C/ 68-72°F ● 5-7 days ● 200-250 sd/g

- Pointed fruit on compact plants with dark green foliage
- Fruit is green with slightly black colouring at the start



Orange  
FTGG11



Purple Red  
FTGG17



Red  
FTGG15



Yellow  
FTGG13



Yellow Red  
FTGG16



Mixture  
FTGG10



### Takii's Capsicum Variety Comparison among Series

Series / Variety	Shape	fruit size (cm)	fruit size (inch)	Beginning colour of fruits	plant size
Onyx Red (NEW)		1 x 1	0.4 x 0.4	Black	A
Maya Conga		3 x 1	1.2 x 0.4	Purple	C
Maya Cubana		4.5 x 2	1.8 x 0.8	Green, Cream	B
Maya Mambo		3.5 x 1.5	1.4 x 0.6	Green	C
Maya Salsa		2.5 x 1	1 x 0.4	Green	D
Maya Favorit		3.5 x 1	1.4 x 0.4	Green with slightly black	C
Maya Uchu		4-5 x 0.5	1.6-2 x 0.2	Cream	B

Larger  
A  
B  
C  
D  
Smaller

# Mambo™ series



## Capsicum annuum

■ 20-22°C/ 68-72°F 
 ■ 5-7 days 
 ■ 220-250 sd/g

● Longer, round fruit on compact plants with many branches



Orange  
FTGG72



Purple Orange  
FTGG76



Purple Red  
FTGG75



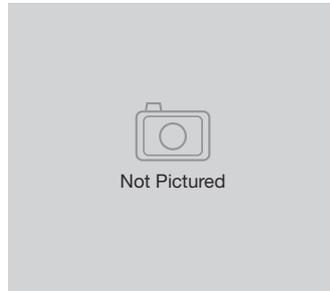
Red  
FTGG73



Yellow  
FTGG74



Yellow Red  
FTGG77



Mixture  
FTGG70

# Salsa™ series



10 cm  
4 inches



## Capsicum annuum

■ 20-22°C/ 68-72°F 
 ■ 5-7 days 
 ■ 180-260 sd/g

● Pointed, small fruit on compact plants



Mixture  
FTGG40

# Uchu™ Cream Red



15-20 cm  
6-8 inches



## Capsicum annuum

■ 20-22°C/ 68-72°F 
 ■ 5-7 days 
 ■ 270-370 sd/g

● Slim fruit on medium sized plants with unique, variegated foliage

● Fruit is cream coloured at the beginning



FTGG91

# Armor™ series



30-40 cm  
12-16 inches



## *Celosia cristata*

Dark required ● 20-25°C/ 68-77°F ● 8-10 days ● 1,200-1,500 sd/g

- Attractive large flower heads in bright colours on robust plants with lush foliage
- Ideal item for hot summer gardens as well as pot use
- Yellow is relatively compact in the series



Orange  
FKT242



Purple  
FKT245



Red  
FKT241



Yellow  
FKT243



Mix  
FKT249

# Castle™ series



40-50 cm  
16-20 inches

## *Celosia plumosa*

Dark required ● 20-25°C/ 68-77°F ● 8-10 days ● 1,500-2,300 sd/g



Orange  
FKT265



Pink  
FKT267



Scarlet  
FKT266



Yellow  
FKT268



Mix  
FKT269

- Castle is semi-dwarf in height, vigorous and has a self-branching habit
- The long-lasting flowers easily withstand summer heat and drought
- Excellent for landscaping, containers and gardens



Castle can be enjoyed in pot by multiple sowing

# Giant Exhibition™ series 50 cm / 20 inches

## *Coleus blumei*

Light required ● 20-22°C/ 68-72°F ● 4-6 days ● 3,100-3,800 sd/g

- Extra-large leaves attract attention in the garden, also makes a great house plant
- Approximately 13 weeks from sowing to mature plant
- Remove any flower spikes to enhance the beauty of the foliage



Limelight  
FCLA02



Magma  
FCLA03



Marble  
FCLA04



Palisandra  
FCLA06



Rustic Red  
FCLA07



Formula Mixture  
FCLA00

Actual colour ratios may vary from image

Coleus

Chrysanthemum

# Snowland™ 20-30 cm / 8-12 inches

## *Chrysanthemum paludosum*

● 15-20°C/ 59-68°F ● 5-10 days ● 1,200-1,900 sd/g

- Snowland has profuse clear white daisy-like flowers with yellow disks
- This variety has a uniform plant habit with large flowers that are bigger than other paludosum type Chrysanthemums
- Under warm temperatures and long-day conditions they produce many flowers, under cool temperatures and short-day conditions, they produce many branches



FCR127

# F1 Telstar™ series



## *Dianthus chinensis x barbatus*

● 21-24°C/ 70-75°F ● 5-6 days ● 700-1,900 sd/g

- Telstar is floriferous with excellent pack and garden performance, and also recommended for bedding and landscaping use
- The series produces vibrant flowers on well-branched plants
- Telstar was developed to have a high degree of resistance to Phytophthora and other damp-off pathogens, and is also resistant to both heat and frost
- Telstar White may have some pinkish flowered plants depending on climate conditions



Burgundy  
FND578



Carmine Rose  
FND564



Coral  
FND563



Crimson  
FND531



# F1 Carpet™ series



## *Dianthus chinensis*

■ 21-24°C/ 70-75°F 
 ■ 5-6 days 
 ■ 1,100-1,600 sd/g

- Carpet earns its name by forming a carpet of large flowers on heavily branched plants
- It is a compact series excellent for pot and bedding production



Mix  
FSK529



Picotee  
FND534



Pink  
FND536



Purple  
FND538



Purple Picotee  
FND535



Salmon  
FND565



Scarlet  
FND532



White  
FND533



Mix  
FND539



Snow Fire  
FSK511

Fire  
FSK521

Crimson  
FSK522

Rose  
FSK525

Snow  
FSK523

Oriental  
FSK524

# Spring Flash™ series



## *Dimorphotheca sinuata*

● 15-20°C / 59-68°F ● 8-10 days ● 900-1,300 sd/g



- Spring Flash provides bright colour for the early spring garden
- Excellent for containers, it can also be used for landscaping



Orange  
FZZ624



Yellow  
FZZ621

# Charity™ Mix



## *Erysimum cheiri*

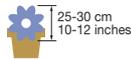
● 18-22°C / 64-72°F ● 8-10 days ● 480-650 sd/g

- Charity is a very unique wallflower that blooms in both autumn and spring
- Flowers can withstand frosts as low as -4°C / 26°F with no damage, and plants can overwinter in mild climates
- Day-length neutral and no vernalisation required for blooming
- The compact plants are excellent for pots and garden use and its sweet fragrance greatly adds to consumer appeal



Mix  
FZZ729

# Blue River™



## *Lavandula angustifolia*

● 18-20°C / 64-68°F ● 20-25 days ● 1,000 sd/g

- Winter hardy, seed-propagated Lavender which has floriferous deep blue spikes
- Its uniformity and vigour make it ideal for landscapes and mixed containers



FZZG01

# F1 Royal Semi-double™ series



## *Gerbera jamesonii*

Light required ■ 21-23°C/ 70-73°F ■ 4-6 days ■ 250-350 sd/g

- Unique semi-double flowers
- The plant habit is identical to F1 Royal series



Deep Rose  
FGBG16 (FGB103)



Watermelon  
FGB102 (Formerly FGBG14)

# F1 Royal Mini™ series



## *Gerbera jamesonii*

Light required ■ 21-23°C/ 70-73°F ■ 4-6 days ■ 250-520 sd/g

- F1 Royal Mini is an extremely early flowering series
- The plants are compact and have a prostrate growing habit, which is important for the development of many buds



Deep Rose  
FGBG27



Golden Orange  
FGBG21 (FGB131)



Lime Yellow  
FGBG22



Orange  
FGBG23



Red  
FGBG24 (FGB132)



Rose with White Tips  
FGBG28



Scarlet  
FGBG29



Yellow  
FGBG26 (FGB133)



Mixture  
FGBG20



# F1 Royal™ series



25-35 cm  
10-14 inches

## *Gerbera jamesonii*

Light required ● 21-23°C/ 70-73°F ● 4-6 days ● 250-450 sd/g

- F1 Royal is an early flowering and very floriferous series
- It produces many eye-catching, large flowers in bright colour
- The plants provide continuous flowering through the sales period as well as in the consumer's garden



Apricot  
FGBG41 (FGB151)



Deep Orange  
FGBG44 (FGB152)



Prince Red  
FGBG65 (FGB164)

Slightly more compact growth than Royal series.  
Suitable for 4 inch bench run programs.



Deep Pink  
FGB153 (Formerly FGBG45)



Deep Rose  
FGBG64 (FGB163)



Golden Yellow  
FGBG46 (FGB154)



Lemon  
FGBG47 (FGB155)



Orange Scarlet  
FGBG49 (FGB156)



Peach  
FGB167 (Formerly FGBG83)

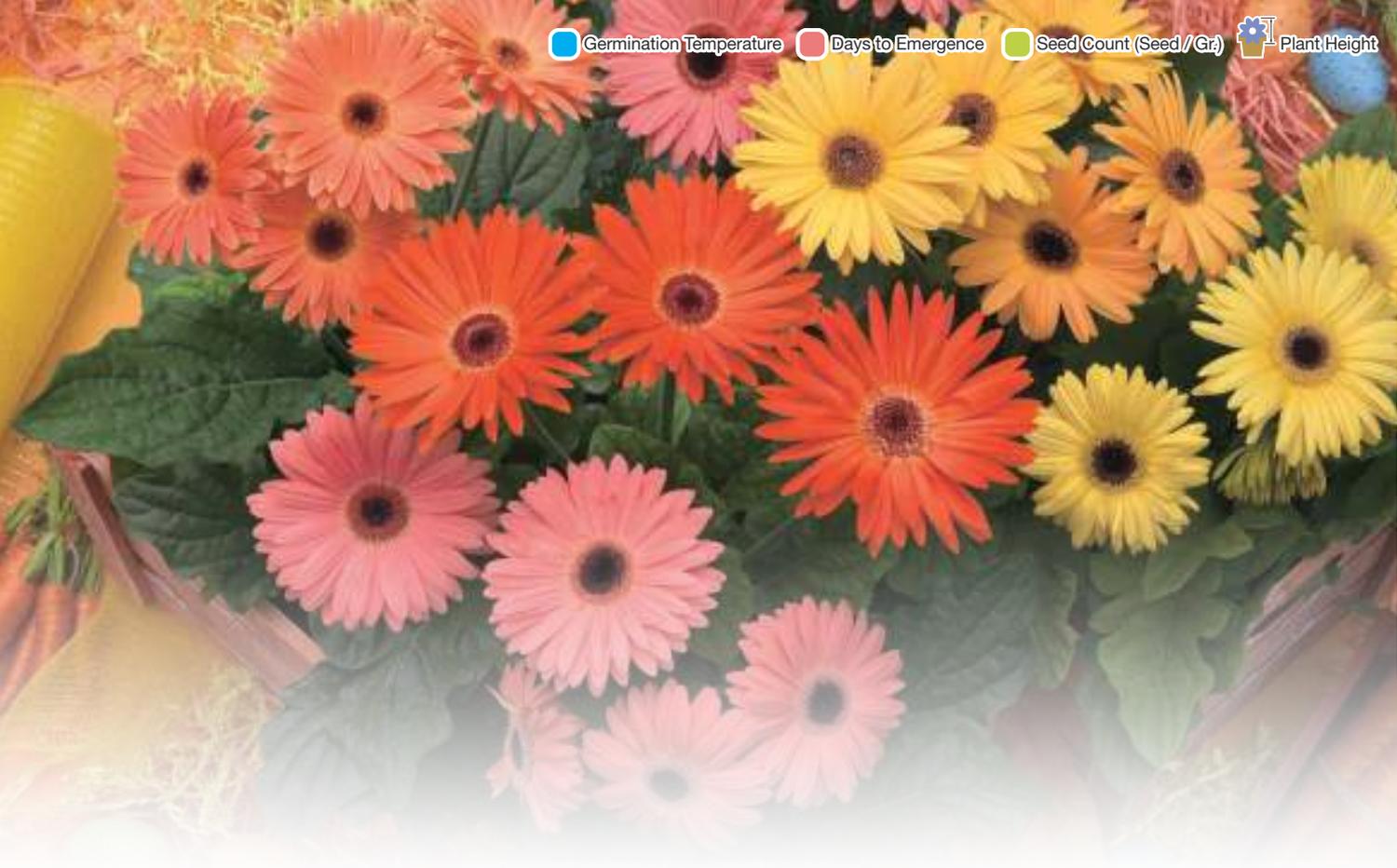


Red  
FGBG52 (FGB157)



Red Bicolor  
FGBG67 (FGB165)





White  
FGB162 (Formerly FGBG57)



Yellow  
FGBG56 (FGB161)



Formula Mixture  
FGB150 (Formerly FGBG01)



Premium Mixture  
FGB160 (Formerly FGBG06)



Red Bicolor exhibits some colour variation with flower petal colour ranging from red to rose, and there is also some variation in the ratio of white to red/rose. Individual plants do not produce a mix of flower types.

H

Helianthus (Sunflower)

# F1 Sunny Smile™



15-50 cm  
6-20 inches (Plant size varies according to pot sizes)

## *Helianthus annuus*

● 20-25°C / 68-77°F ● 3-4 days ● 18-30 sd/g

- Sunny Smile is a F1 hybrid pollenless dwarf Helianthus bred for its branching habit
- With larger pots and sufficient nutrition, more branching is promoted
- Stress on the root system also promotes branching
- Dark central disk stays flat with age
- Regardless of day length, it flowers all year round in about 50 to 55 days when grown at temperatures above 15°C / 60°F
- In small pots under short-day conditions the plant would be a miniature size of about 15 cm / 6 inches



FHM411

# Big Smile™



15-50 cm  
6-20 inches (Plant size varies according to pot sizes)

## *Helianthus annuus*

● 20-25°C / 68-77°F ● 3-4 days ● 20-45 sd/g

- Big Smile is a dwarf OP variety
- Ideal for spring to summer production, but can also be used for production any time of year with sufficient temperature
- Big Smile is suitable for pots and containers, good for impulse sales at retail
- It blooms in 50-55 days



FHM313

L

Linaria

# Fantasy™ series



15-20 cm  
6-8 inches

## *Linaria maroccana*

● 20-21°C / 68-70°F ● 15-20 days ● 9,500-17,000 sd/g

- Compact habit, wide colour range makes for attractive garden displays
- The crop grows year-round in cool, mild areas
- Will withstand frosts and short duration freezes to -4°C / 26°F without injury



Autumn Mix  
FLN120



Spring Mix  
FLN119

# Fantasisita™ series

8-12 cm  
3-5 inches

## *Linaria maroccana*

● 20-21°C / 68-70°F 
 ● 15-20 days 
 ● 9,500-17,000 sd/g

- All varieties of Fantasisita are bred to be extra dwarf, good basal branching and extra early maturity
- Blooms 7-10 days earlier than Fantasy series and is more compact
- The crop grows year-round in cool, mild areas
- Will withstand frosts and short duration freezes to -4°C / 26°F without injury
- It is especially suitable for mass plantings and is often used in hanging baskets and mixed containers to provide bright colour accents



Linaria



Blue  
FLN133



Pink  
FLN132



Rose  
FLN131



White  
FLN135



Yellow  
FLN134



Fantasisita (left) is more compact and has excellent basal branching compared with Fantasy (right)

### Takii's Linaria Variety Comparison among Series

Variety	Earliness of Flower			Plant Height	
	More Extra Early	Extra Early	Early	cm	inch
Fantasisita Blue (NEW)	●			8-12	3-5
Fantasisita Pink (NEW)	●			8-12	3-5
Fantasisita Rose (NEW)	●			8-12	3-5
Fantasisita White (NEW)	●			8-12	3-5
Fantasisita Yellow (NEW)	●			8-12	3-5
Fantasy Autumn Mix			●	15-20	6-8
Fantasy Spring Mix			●	15-20	6-8

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

# F1 Carmen™ series

15-25 cm  
6-10 inches

## *Eustoma grandiflorum*

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 700-1,300 pel/g

- Excellent pot Lisianthus bred especially for its high quality root system
- It has more disease resistance against damping off from soil bacteria such as fusarium
- Carmen produces many medium sized, long lasting flowers



Blue  
FRSG01



Blue Rim  
FRSG05



Ivory  
FRSG07



Lilac  
FRSG04



Rose  
FRSG06

# F1 Marina™

15-25 cm  
6-10 inches

## *Eustoma grandiflorum*

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 900-1,200 pel/g

- Marina produces long lasting, attractive single-flowers with blue picotee
- Dwarf shape and good branching plant suitable for pot Lisianthus
- Compared to Carmen series, relatively smaller flower size and lighter colour leaves



FRS829

# F1 Rosie™ series

15-25 cm  
6-10 inches

## *Eustoma grandiflorum*

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 900-1,200 pel/g

- Rosie produces very attractive fully double, long lasting flowers
- Genetically dwarf pot Lisianthus with improved root quality



Lavender Blue  
FRSG21



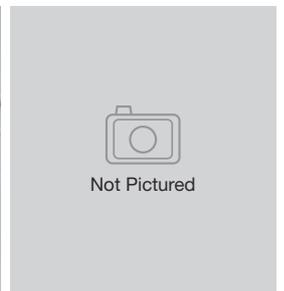
Pink  
FRSG25



Rose Picotee  
FRSG22



White  
FRSG23



Lilac  
FRSG24



Not Pictured

# Harmony™ series

15-25 cm  
6-10 inches

## Matthiola incana

Dark required ● 18-21°C/ 64-70°F ● 4-5 days ● 450-900 sd/g



Cherry Blossom  
FST713



Cream Yellow  
FST727



Deep Rose  
FST721



Light Rose  
FST718



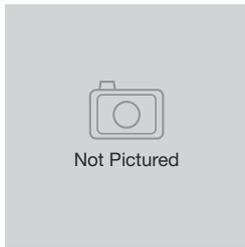
Purple  
FST714



Violet  
FST722

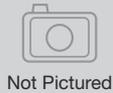


White  
FST723



Mix  
FST720

- Uniform, dwarf, branching series with excellent fragrance
- More compact, better branched and earlier when compared to the Midget series
- Harmony has approximately 50% doubles and is selectable for doubleness by the cotyledon (**See the below**)
- Good for cool season production in pots or containers



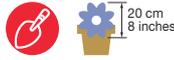
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### Selection tip for double flowered seedlings

Series	Page	Timing of Selection	Selection Method		
Midget	48	3 true leaves	Double: Serrated leaves	Single: Smooth leaves	
Harmony	47	A pair of cotyledons	Double: Lighter green Larger leaves	Single: Darker green Smaller leaves	
Xmas	104				Grow faster (Taller) <span style="margin-left: 20px;">Grow slower (Shorter)</span>
Glory	104				
Cinderella	48	Cotyledons and true leaves	Double: Lighter green Larger leaves	Single: Darker green Smaller leaves	
Canneto	102	Not needed	Average of 90% double-flowering type		
Noble	103				
Regal	103				
Wonder	103				

The above data is based on trials completed in Japan.  
Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

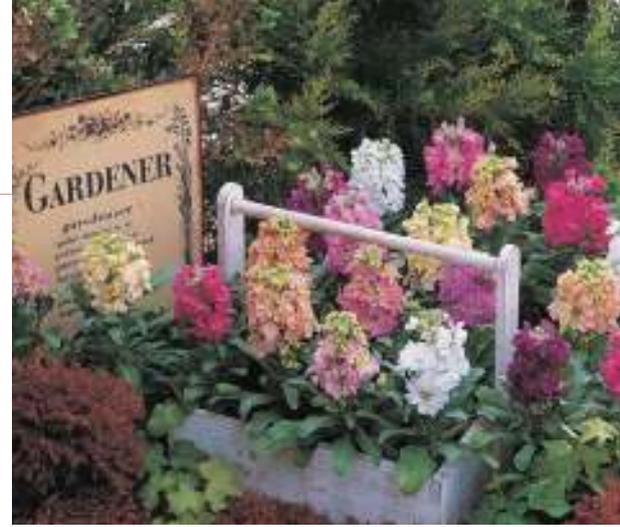
# Cinderella™ series



## Matthiola incana

Dark required ■ 18-20°C/ 64-68°F ■ 3-5 days ■ 500-900 sd/g

- Dwarf selectable Matthiola with hairy leaves
- The double flower plant ratio of Red and White is less than the remaining colours in the series
- Seedlings are easily selectable for doubleness after they are exposed to cold temperatures below 8°C/ 46°F with light. Double flower seedlings will show pale green cotyledons and single flower seedlings will show dark green cotyledons (**See page 47**)



Antique  
FSTA01



Appleblossom  
FSTA02



Blue  
FSTA03



Champagne  
FSTA04



Hot Pink  
FSTA05



Lavender  
FSTA06



Pink  
FSTA07



Purple  
FSTA08



Red  
FSTA09



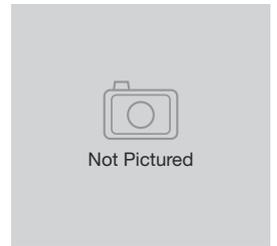
Silvery Blue  
FSTA11



White  
FSTA12



Yellow  
FSTA13



Vivid Formula Mixture  
FSTA00

# Midget™ series



## Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-750 sd/g

- Midget is selectable for double flowers by leaf shape
- It is easy to distinguish plants at 3 to 4 true leaf stage - doubles have serrated true leaves and the singles have smooth-margined true leaves (**See page 47**)



Mix  
FST710

# Jackpot Gold™ 15-30 cm / 6-12 inches

## *Melampodium paludosum*

Temp. fluctuation is preferable ■ 20-30°C/ 68-86°F ■ 8-10 days ■ 150-250 sd/g

- Improvement of Million Gold with larger flowers and round shaped leaves
- Vigorous plant habit and more floriferous than Million Gold
- Self-cleaning habit, new flowers cover the old flowers so plant continues to have fresh flowers showing all season long
- Blooms continuously until first frost
- Blooms in 80 to 95 days from sowing
- These dwarf varieties are excellent for packs, 10 cm / 4 inches pots, and for landscapes



FML125

# Lemon Delight™ 15-30 cm / 6-12 inches

## *Melampodium paludosum*

Temp. fluctuation is preferable ■ 20-30°C/ 68-86°F ■ 8-10 days ■ 150-250 sd/g

- Bright yellow flowers make a good combination with Jackpot Gold in the garden
- Blooms continuously until first frost
- Blooms in 80 to 95 days from sowing
- These dwarf varieties are excellent for packs, 10 cm / 4 inches pots, and for landscapes



FML133



# Passion™ series



15-25 cm  
6-10 inches

## *Osteospermum ecklonis*

● 18-22°C/ 64-72°F ● 8-10 days ● 70-100 sd/g

- Heavily-branched, compact and bushy variety which does not need pinching
- Passion Mix has been switched to Passion Formula Mix (set percentages of each colour)
- Unlike the vegetative varieties, seed-raised Passion series retains its compact habit very well
- They grow and flower almost year-round in mild areas, with the heaviest blooming period in early spring through early summer
- Plants are well adapted to container culture such as colour bowls and combination planters



Passion Formula Mix is everybody's favorite

Formula Mix  
FOM301



Pink Shades  
FOM213



Rose  
FOM212



White  
FOM211



# F1 Black Velvet™ series 25-35 cm / 10-14 inches

## *Pelargonium x hortorum*

■ 15-20°C / 59-68°F 
 ■ 4-6 days 
 ■ 180-250 sd/g

- Eye-catching due to the very dark, rich chocolate foliage with narrow contrasting green edge
- The leaf colouration develops as the plant grows and is not visible in the first few leaves



Eye-catching dark chocolate of Black Velvet displayed at garden

P  
elargonium (Geranium)



Coral  
FGEA02



Pink  
FGEA03



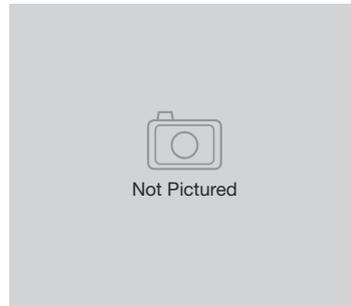
Rose  
FGEA04



Salmon  
FGEA05



Scarlet  
FGEA06



Formula Mixture  
FGEA00

# F1 Everlast™ series



25-35 cm  
10-14 inches

## *Pelargonium x hortorum*

● 15-20°C/ 59-68°F ● 4-6 days ● 180-300 sd/g

- Well branched - Improved branching supports a never ending floral display ensuring a long shelf life at retail and constant colour in the garden
- Wide colour range - The extensive variety of colours provide a robust palette to vividly colour containers and landscapes
- Less shrinkage - MS trait contributes to improved shippability by reducing losses due to shattering



Appleblossom  
FGE104



Light Salmon  
FGE105



Red  
FGE101



Salmon  
FGE106



White  
FGE103

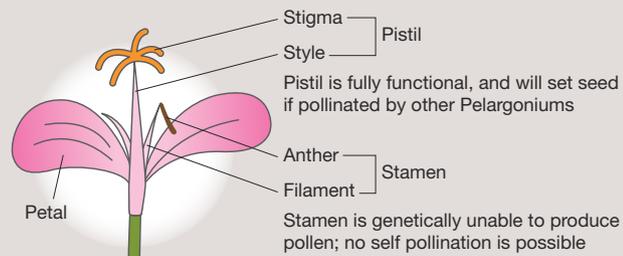
Everlast

## Male Sterility

Harnessing the natural longevity of flowers

### What is MS? (Pollen Free)

Male Sterility is a trait that directly affects the physiology of plants in beautiful ways. The simple act of pollination is a natural trigger for the inevitable fading of flowers. Male Sterile plants are unable to pollinate themselves, thereby preventing seed setting and the associated aging of blooms. Lacking the ability to self-pollinate also imparts a marked improvement in floriferousness.



### Strong points of MS

- Individual flowers last 7-10 days longer than other varieties
- No seed setting if grown in isolation from other Pelargonium varieties
- Up to 30% more flowers over the course of a season than other varieties

All information is based on results in North America.

Actual results are dependent upon local environmental conditions and cultivation practices that may affect variety performance

# F1 Marginata™ series 25-35 cm / 10-14 inches

*Pelargonium x hortorum*

■ 15-20°C / 59-68°F 
 ■ 4-6 days 
 ■ 180-300 sd/g

- Same plant habit as Everlast series but with unique foliage
- The Marginata series is characterized by gorgeous ruffled foliage with a uniquely narrow and marginally placed zone



P  
elargonium (Geranium)

 MARGINATA



Cherry  
FGE302



Deep Red  
FGE301



Salmon  
FGE305



Violet  
FGE304



White  
FGE306



# F1 Nature™ series

15-25 cm  
6-10 inches

## *Viola wittrockiana*

● 18-20°C/ 64-68°F ● 7-13 days ● 550-1,400 sd/g

Nature series with multi-bloom habit and wide colour range gives brilliance to gardens.



- A breakthrough in breeding, a true multiflora pansy and viola cross with flowers that completely cover the plants
- Compact, very strong plants, very vigorous and extra floriferous
- Wide colour range including many unique colours, excellent for both spring and fall sales
- Strong landscape performer – fast rebound from rain and freezes, outstanding winter survivability
- “A Landscaper’s Dream” – perfect for mass plantings and mixed containers as well as for pots and packs



Antique Shades  
FPA737



Beacon  
FPA742



Blue and Yellow  
FPA735



Frosty Blue  
FPA743



Frosty Rose  
FPA736



Lemon Yellow  
FPA732



Mulberry Shades  
FPA740



Ocean  
FPA726



Orange  
FPA748



Plum Purple  
FPA739



Red with Blotch  
FPA731



Rose Picotee  
FPA747



Rose Pink  
FPA738



Rose with Blotch  
FPA722



White  
FPA724



Yellow  
FPA721



Yellow with Blotch  
FPA749



Formula Mixture  
FPA729



**Nature™**

Any landscape pattern is possible with Nature  
Many colour assortment of Nature attract gardeners



## F1 Clean Scarlet™



*Viola wittrockiana*

18-20°C / 64-68°F 7-13 days 700-1,000 sd/g

- Clean Scarlet is among the brightest of the scarlet coloured Pansies

- It is excellent for bedding and container use



FPA619

## F1 Imperial™ Antique Shades



*Viola wittrockiana*

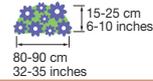
18-20°C / 64-68°F 7-13 days 650-800 sd/g

- Suitable for pots and packs as well as mixed container production
- Imperial Antique Shades shows various colour ranges



FPA550

# F1 Evening Scentsation™



## *Petunia hybrida*

Light required ● 22-25°C/ 72-77°F ● 5-10 days ● 650-850 pel/g

### Trailing type

- Evening Scentsation is the first petunia which earned an AAS regional award for its lovely fragrance and stunning colour
- Evening Scentsation's fragrance has notes of hyacinth, sweet honey and rose
- As its name implies, Evening Scentsation's fragrance is stronger in the evening hours, and can be experienced throughout the day as well

(Scent is perceived differently by each individual)



FPT639



The basic fragrance of Evening Scentsation is derived from phenylacetaldehyde, which has a hyacinth-like scent, 2-phenylethanol, which has a rose-like scent, and methyl benzoate, which has a dry fruit-like scent. The largest release of scent compounds by Evening Scentsation occurs during the switch from light periods to dark periods. The article of characteristic of floral scent compounds in Evening Scentsation was published in The Horticulture Journal.  
[https://www.jstage.jst.go.jp/article/hortj/advpub/0/advpub\\_OKD-090/\\_article/-char/en](https://www.jstage.jst.go.jp/article/hortj/advpub/0/advpub_OKD-090/_article/-char/en)

# F1 Opera Supreme™ series



10-20 cm  
4-8 inches  
 80-100 cm  
32-39 inches

## *Petunia hybrida*

Light required ■ 22-25°C/ 72-77°F ■ 5-10 days ■ 650-850 pel/g

### Trailing type

- Opera Supreme has a very floriferous habit, less day length sensitivity, and a low, spreading habit that are key characteristics preferred for trailing petunias
- Its flowers have a very attractive iridescent quality, or sheen, and are borne in great profusion from the centre to the tips on the spreading plants
- Outstanding in garden beds, window boxes, combination pots and hanging baskets
- Red has a more vigorous plant habit than other trailing petunias in the red colour segment
- Opera Supreme White may have some pinkish flowered plants depending on climate condition



Blue  
FPT629



Coral  
FPT630



Lavender  
FPT627



Lilac Ice  
FPT632



Its excellent spreading habit is suitable for hanging baskets.



F1 Opera Supreme provides season-long colour to city landscapes



Pink Morn  
FPT633



Purple  
FPT631



Raspberry Ice  
FPT638



Red  
FPT637



White  
FPT626

# F1 Trilogy™ series



15-25 cm  
6-10 inches  
50-60 cm  
20-24 inches

## *Petunia hybrida*

Light required ● 22-25°C/ 72-77°F ● 5-10 days ● 650-850 pel/g

### Mounding type

- The plant is a mounding type with a good branching habit, while keeping a tidy, compact habit
- Strong flower petals stand up to humid conditions
- Reaching a height of about 15-25 cm / 6-10 inches, and a width of 50-60 cm / 20-24 inches when fully mature, Trilogy is a fabulous landscape and container performer
- Series requires less PGR use, adapts to any protocol



Blue  
FPT648



Lavender Pink  
FPT650



Purple  
FPT646



Rose  
FPT643



Salmon Morn  
FPT647



Scarlet  
FPT645



White  
FPT641



**Trilogy** has advantages for  
PETUNIA

#### Growers :

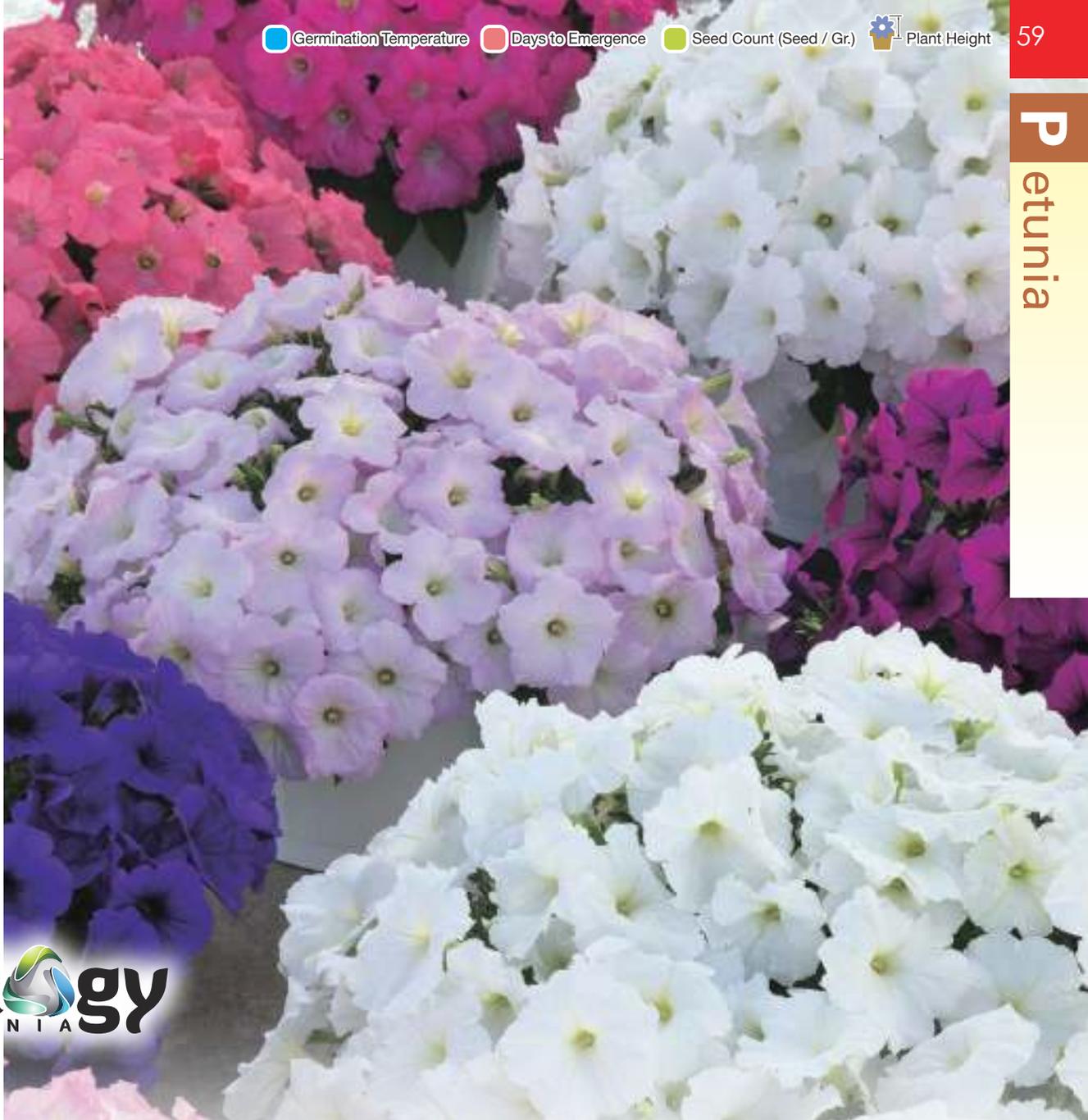
No special technique, adapts to your protocol

#### Retailers :

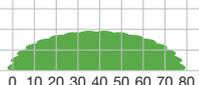
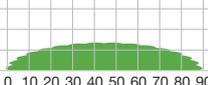
Long shelf life, no more tangling

#### Consumers :

Minimal care, maximum performance all season



**Takii's Petunia characteristics by series**

Series	F1 Trilogy	F1 Evening Scentsation	F1 Opera Supreme
Type	Multiflora		
	Mounding	Trailing	
Flower size	6.5-7.5 cm / 2.6-3.0 inches 	7 cm / 2.7 inches 	6.5-7.5 cm / 2.6-3.0 inches 
Plant habit in pot (10 cm / 4 inches)			
Plant habit in garden	Height at maturity 50 Width at maturity 40	Height at maturity 50 Width at maturity 80	Height at maturity 50 Width at maturity 90
	15-25 cm / 6-10 inches 50-60 cm / 20-24 inches	15-25 cm / 6-10 inches 80-90 cm / 32-35 inches	10-20 cm / 4-8 inches 80-100 cm / 32-39 inches
			

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

# Cameo Elegance™



up to 300 cm  
up to 118 inches

## *Pharbitis purpurea (Ipomoea purpurea)*

● 20-30°C/ 68-86°F ● 4-5 days ● 40-60 sd/g

- Variegated foliage with flowers of rose-red with white throats make Cameo Elegance a novelty item
- It blooms most prolifically under short-day conditions
- Excellent packet seed item due to ease of culture
- The plant can be used in many different styles, such as trailing pot, landscape ground cover, hanging basket and climbing vine



FAA451 Trailing vines add dimension to containers

# Becky™ series



25-30 cm  
10-12 inches

## *Rudbeckia spp.*

● 20-25°C/ 68-77°F ● 10-13 days ● 2,200-2,500 sd/g

- Flowering is more uniform and earlier than other Rudbeckia varieties
- The dwarf plants are covered with an abundance of large flowers
- Heat and drought tolerant, flowers all summer and fall, until a hard freeze
- The eye-catching flowers perform very well in summer gardens, and have great consumer appeal for retailers



Formula Mixture  
FZZ489



Cinnamon Bicolor  
FZZ484



Orange  
FZZ482



Yellow  
FZZ483



# Summer Jewel™ series



## *Salvia coccinea*

■ 20-25°C/ 68-77°F 
 ■ 5-10 days 
 ■ 600-700 sd/g



- Amazing performance, blooms heavily all summer
- Excellent branching habit produces a multitude of flower spikes
- Vivid flowers attract hummingbirds
- Significantly earlier than other existing varieties under long day conditions
- All colours of Summer Jewel series are awarded by All-America Selections



Lavender  
FSR304



Pink  
FSR302



Red  
FSR301



White  
FSR303

Good garden design using Summer Jewel Red and Pink



# Hummingbird™ series



35-60 cm  
14-24 inches

## *Salvia coccinea*

● 20-25°C/ 68-77°F ● 5-10 days ● 650-700 sd/g

- Extremely long blooming time attracts consumers
- Well branched plants with brilliant flowers appear about 11 weeks from sowing
- Can be used for bedding, planters, baskets, pots and borders



Coral Nymph  
FSRA11



Forest Fire  
FSRA13



Lady in Red  
FSRA12



Snow Nymph  
FSRA14

# Fizz™ series



10-30 cm  
4-12 inches

## *Salvia splendens*

● 20-25°C/ 68-77°F ● 5-10 days ● 250-370 sd/g

- Fizz series is early to flower with densely packed flower columns which give each plant a strong show of colour
- Flowers are long lasting at consumer level as well as a long shelf-life at retail
- The branching habit gives a fullness to the plant and the flower colour contrast to the dark foliage gives a better colour show in the landscape



Cream  
FSR275



Grape  
FSR274



Peach  
FSR272



Raspberry  
FSR273



Strawberry  
FSR271

# Sangria™



## *Salvia splendens*

■ 20-25°C/ 68-77°F 
 ■ 5-10 days 
 ■ 250-350 sd/g

- Sangria is a unique bicoloured salvia with red petals and lime green calyxes
- It also has an outstanding branching habit and exhibits excellent garden performance
- Sangria blooms about 15 days later than Fizz series



FSR251

Salvia

# Early Perfection™ series



## *Senecio cruentus*

Light required ■ 20-24°C/ 68-75°F 
 ■ 10-14 days 
 ■ 2,700-5,000 sd/g

- Produces a beautiful display of colourful daisy-like flowers
- Dwarf, compact plants that are suitable for pot use



Blue  
FSN313



Pink  
FSN312



Purple  
FSN315



Red  
FSN311



Rose  
FSN317

Senecio (Cineraria)

# Carlos™ and Santana Yellow™



## *Tanacetum parthenium*

Light required ■ 15-20°C/ 59-68°F 
 ■ 3-5 days 
 ■ 7,500-10,000 sd/g

- Carlos and Santana Yellow are day-length neutral
- Nice combination of white and soft yellow flowers in one container



Carlos  
FMTA14



Santana Yellow  
FMTA15

Tanacetum (Matricaria)

# F1 Floral Power® series

10 cm  
4 inches

## Viola cornuta

● 18-20°C/ 64-68°F ● 7-15 days ● 900-1,900 sd/g

- Mound type viola which produces an abundance of round-shaped, thick petaled flowers on compact yet vigorous plant
- Excellent for early spring sales



Apricot Lip  
FBRA01



Blue Picotee  
FBRE07



Cream Yellow Lip  
FBRA20



Deep Blue Blotch  
FBRA22



Golden Blues  
FBRA10



Gold Purple Wing  
FBRA16

FLORAL  
POWER



Jolly Face  
FBRE05



Lavender Blue  
FBRA24



Lavender Pink  
FBRE03



Orange  
FBRA04



Orange Red Wing  
FBRA05



Persian Pink  
FBRE06



F1 Floral Power Blue Picotee



F1 Floral Power Persian Pink



Pink with Lemon Lip  
FBRA19



Pure White  
FBRA06



Purple Face  
FBRA35



Purple Rose White Face  
FBRA07



Red  
FBRA31



Rose Wing  
FBRA27



Soft Pink  
FBRA32



White Purple Wing  
FBRA14



Yellow Blotch  
FBRE04



Yellow Blotch Red Wing  
FBRA18



Yellow Purple Wing  
FBRA28



Yellow Surprise  
FBRE00

Viola (Viola cornuta)



Apricot Antique  
FBR537



Aztec  
FBR573



Beacon  
FBR561



Clear Ocean  
FBR540



Electric Blue  
FBR575



Fire  
FBR572



Frosty Blue  
FBR567



Heavenly Blue  
FBR568

F1 Gem Fire and F1 Floral Power Golden Blues



Lavender Antique  
FBR538



Lavender Apricot  
FBR579

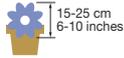


Lilac Antique  
FBR562



Orange  
FBR535

# F1 Gem™ series



## *Viola cornuta*

■ 18-20°C/ 64-68°F 
 ■ 7-15 days 
 ■ 900-1,800 sd/g

- The wide and unique colour assortment of this series provides a complete range both for consumers as well as professional landscapers
- The Gem series has strong over-wintering ability as well as exceptional heat tolerance
- Gem is excellent for colour bowls, containers, pots, hanging baskets, and landscapes



Viola (Viola cornuta)



Pink Antique  
FBR536



Plum Antique  
FBR555



Red with Blotch  
FBR531



Rose Antique  
FBR578



Rose with Blotch  
FBR532



Sapphire  
FBR554



Scarlet  
FBR569



White  
FBR549



Yellow  
FBR571



# F1 Four Seasons™ series



## Viola cornuta

● 18-20°C/ 64-68°F ● 7-15 days ● 950-1,600 sd/g

- Trailing, without excessive creeping, floriferous even on the top of plants
- Later flowering than normal type viola, excellent performance in the spring after plants produce some growth
- Suitable for hanging, large pot, landscaping



Four Seasons Yellow may not make its whisker clearly under high light conditions



Blue with Yellow  
FBRA79



White  
FBRA82



Yellow  
FBRA99

Viola comparison		
Plant Habit	upright	trailing
small	Gem	Four Season
	Floral Power	
large	Nature (See Page 54-55)	

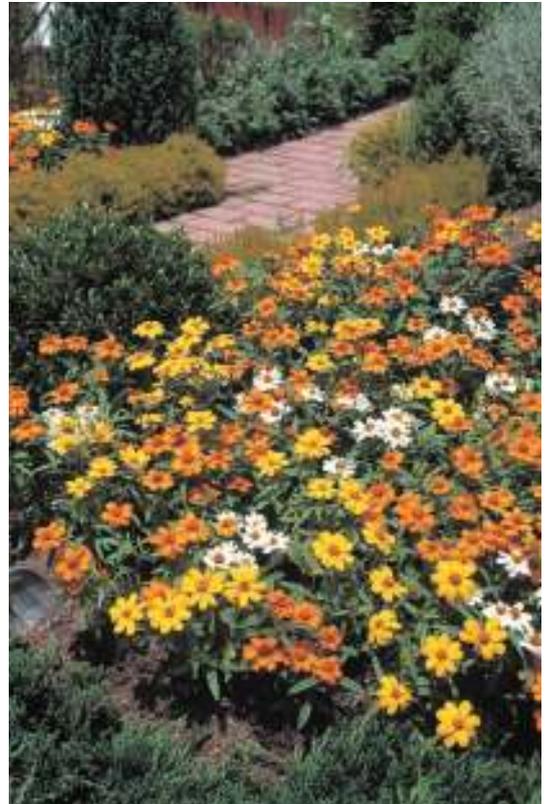
# Crystal™ series



## Zinnia angustifolia

● 20-22°C/ 68-72°F ● 5-6 days ● 2,000-3,200 sd/g

- Crystal series have single, daisy-like blooms that are very attractive on compact plants
- Crystal Zinnias show high tolerance to powdery mildew and have superior garden performance



Summer garden looks delightful with Takii's Crystal



Orange  
FZN713

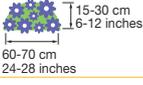


White  
FZN714



Yellow  
FZN712

# Serenity™ series



## *Verbena x hybrida*

■ 15-20°C / 59-68°F 
 ■ 15-20 days 
 ■ 900-1,100 sd/g

- Serenity Mix is an excellent mix of pastel lavenders, white, carmine red to pink
- Its deeply-cut fern-like foliage is dark forest green
- In cool climates it will stay dwarf, producing a carpet
- In warmer areas the Serenity series will be a perennial



Pink  
FBB231



Mix  
FBB210



# F1 Dreamland™ series



## *Zinnia elegans*

● 20-22°C/ 68-72°F ● 5-6 days ● 100-200 sd/g

- Takii's Dreamland is an early, large dahlia-flowered type providing a great colour show both in containers and in the garden
- Much less instance of Xanthomonas and Alternaria disease problems with Dreamland than other varieties under warm weather conditions
- Excellent choice for pot and pack sales, with great consumer appeal



Coral  
FZN625



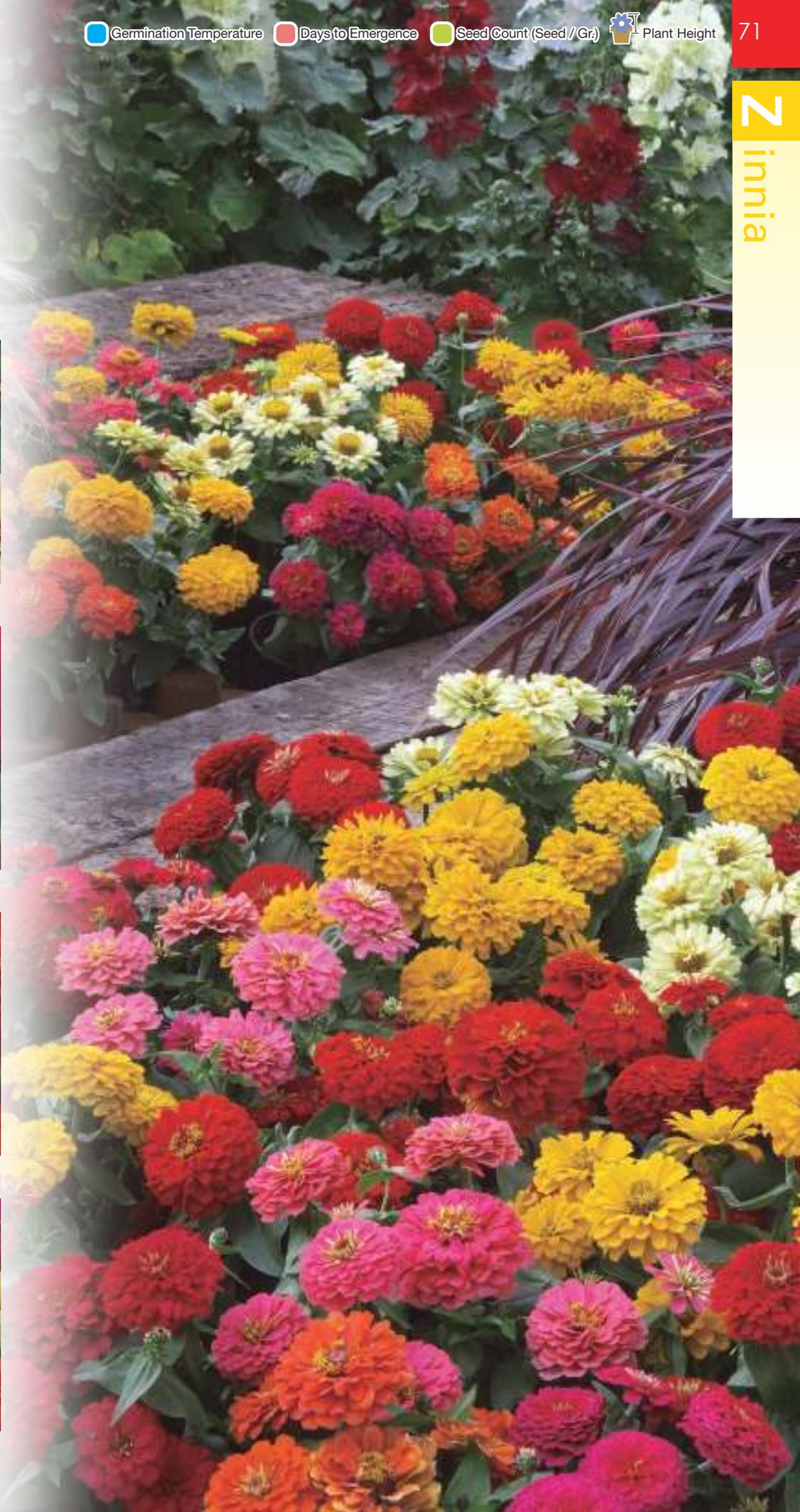
Pink  
FZN623



Rose  
FZN627



Yellow  
FZN624



Ivory  
FZN626



Red  
FZN628



Scarlet  
FZN621



Mix  
FZN629

# Grasses, Sedges and Rushes

# Natural Look collection



**Bronze Curls**  
*Carex comans*  
(New Zealand Hair Sedge)

FGRA03



**Auburn**  
*Carex flagellifera*  
(Weeping Brown Sedge)

FGRA04



**Fresh Look**  
*Carex pendula*  
(Pendulous Sedge)

FGRA05



**Frosted Curls**  
*Carex*  
(New Zealand Hair Sedge)

FGRA02



**Elijah Blue**  
*Festuca glauca*  
(Blue Fescue)

FGRA18



**Fibre Optics**  
*Isolepis cernua*  
(Fiber Optic Grass)

FGRA01

Genus	Species	Variety name	Germ Info	Germination Temperature		Days to Emergence	Seed Count (Seed/Gram)	Type	Plant Height		Remark
				°C	°F				cm	inch	
Carex	comans	Bronze Curls	Light required	18-22	64-72	12-20	1,600-1,800	  	30	12	● Fashionable component in planters and pots
Carex	flagellifera	Auburn	Light required	18-22	64-72	25-35	2,000-2,400	  	35	14	● Bronze-red leaves
Carex	pendula	Fresh Look	Light required	22-24	72-75	25-35	1,400-1,900	  	150	59	● It has cylindrical spikes of pendulous flowers ● Attractive shiny green leaves
Carex	—	Frosted Curls	Light required	18-22	64-72	12-20	1,700-2,000	 	25	10	● Very hardy ornamental grass which can be used for mixed containers and landscapes ● 5-6 months from sowing to sell, but can be shortened with multiple sowing
Festuca	glauca	Elijah Blue	Light required	18-20	59-68	7-14	900-1,000	 	25	10	● Extremely hardy perennial, it is one of the most important landscaping grasses ● Prefers full sun and well drained conditions ● Multiple sowing will shorten the growing time to finishing

- Use as landscape, garden or pot plant
- Easy to produce, high ornamental value
- Energy saving program
- Heat tolerant, low maintenance
- Develop your own grass assortment or combine with colour items
- Long shelf life = Long sales window



**Spiralis**  
*Juncus effusus*  
(Corkscrew Rush)

FGRA06



**Afro**  
*Juncus inflexus*  
(European Meadow Rush)

FGRA08



**Hedgehog Grass**  
*Juncus*

FGRA11



**Pheasant Tails**  
*Stipa arundinacea*

FGRA24



**Angel Hair**  
*Stipa tenuissima*  
(Esparto Grass)

FGRA12



Genus	Species	Variety name	Germ Info	Germination Temperature		Days to Emergence	Seed Count (Seed/Gram)	Type	Plant Height		Remark
				°C	°F				cm	inch	
Isolepis	cernua	Fibre Optics	Light required	18-20	64-72	7-10	300-330 pel	 	20	8	<ul style="list-style-type: none"> <li>● Long-lived and easily maintained ornamental grass</li> <li>● Withstands low light conditions and wide range of temperatures</li> <li>● Can be used for pots, planters and terrariums</li> </ul>
Juncus	effusus	Spiralis	Light required	22-24	72-75	35-45	1,000-1,200 pel	 	35	14	<ul style="list-style-type: none"> <li>● Strong twisted leaves on compact upright clumps</li> </ul>
Juncus	inflexus	Afro	Light required	20-22	64-72	30-40	32,000	 	35	14	<ul style="list-style-type: none"> <li>● Attractive blue-grey strong spiral stems</li> </ul>
Juncus	—	Hedgehog Grass	Light required	20-22	64-72	35-45	7,000-10,000	 	60	24	<ul style="list-style-type: none"> <li>● Nice architectural evergreen plants</li> </ul>
Stipa	arundinacea	Pheasant Tails	Light required	18-20	59-68	7-10	3800	 	70	28	<ul style="list-style-type: none"> <li>● Ornamental grass item with bronze leaves</li> </ul>
Stipa	tenuissima	Angel Hair	Light required	18-20	59-68	7-10	3,000-4,000	 	70	28	<ul style="list-style-type: none"> <li>● Thread-like, shiny light green leaves give a silky and elegant appearance</li> <li>● It can be used in various ways such as for mixed containers and rock gardens as well as dried cut flowers</li> </ul>



# CUT FLOWERS

# F1 Legend™ series (Group I)



## Antirrhinum majus

Light required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 5,300-7,300 sd/g

- Sturdy stems and strong flower petals for good cut flower transportation and vase life
- Dense flower spikes and intense colours make an impressive accent in flower arrangements
- Light Pink is slightly shorter (95 cm / 37 inches) height than other colours (100-130 cm / 39-51 inches)



Light Pink  
FKG604



Light Yellow  
FKG605



Pink  
FKG603



White  
FKG602



Yellow  
FKG601

### Takii's Antirrhinum Variety Comparison among Series

Series	Variety	Plant Height	Flower Size	
			cm	inch
Chantilly	Bronze	A	5.0	2.0
	Cream Yellow	B	5.0	2.0
	Deep Orange	C	5.0	2.0
	Light Pink	B	5.0	2.0
	Light Salmon	A	5.0	2.0
	Pink	B	5.0	2.0
	Purple	B	5.0	2.0
	Velvet	B	5.0	2.0
	White	C	5.0	2.0
	Yellow	B	5.0	2.0
Legend	Light Pink (NEW)	B	4.0	1.5
	Light Yellow (NEW)	B	4.0	1.5
	Pink	B	4.0	1.5
	White	B	4.0	1.5
	Yellow	B	4.0	1.5
Sunshine	Deep Purple Eye	B	3.5	1.4
	Lemon Eye	B	3.5	1.4
	Light Purple Eye	B	3.5	1.4

The data is based on trial results in Nagano prefecture, Japan. No pinching, set at 8°C/46°F during night

↑ Taller A  
↓ Shorter C

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.



A

Antirrhinum (Snapdragon)

# F1 Chantilly™ series (Group I)



110-140 cm  
43-55 inches

## Antirrhinum majus

Light required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 5,000-9,000 sd/g

- Takii's open-faced Antirrhinum Chantilly has large flowers with an overall gorgeous impression
- Unique Snapdragon for short day and low temperature conditions



Bronze  
FKG574



Cream Yellow  
FKG572



Deep Orange  
FKG587



Light Pink  
FKG578



Light Salmon  
FKG575



Pink  
FKG585



Purple  
FKG584



Velvet  
FKG586



White  
FKG591



Yellow  
FKG588

# F1 Sunshine™ series (Group I)



100-120 cm  
39-47 inches

## Antirrhinum majus

Light required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 6,000-7,500 sd/g

- Sturdy stems support dense columns of bright flowers
- Long spikes are suitable for any floral arrangement as well as the home garden
- Ideal for short day and low temperature conditions



Deep Purple Eye  
FKG556



Lemon Eye  
FKG553



Light Purple Eye  
FKG555



# F1 Flare™ series



70-100 cm  
28-39 inches

*Brassica oleracea*

■ 20-25°C/ 68-77°F 
 ■ 4-5 days 
 ■ 200-400 sd/g

- Very early maturity and easy to get tall stem
- Flare Rose and Flare White have very uniform, wavy leaves, upright habit
- Flare White has such a pure white colour that is well suited for dyeing also



Rose  
FHB693



White  
FHB692



F1 Flare Rose with blue dye. After dyeing, Flare Rose presents a charming vintage look.

Brassica (Flowering Kale)



A new style arrangement of Flowering Kale with F1 Flare White. By trimming outer green leaves and having only pure white leaves remaining, a flawless and clean effect overturns our typical image of Flowering Kale.

# F1 Crane™ series



60-90 cm  
24-35 inches

## *Brassica oleracea*

● 20-25°C/ 68-77°F ● 4-5 days ● 200-480 sd/g

### Feather leaved type

- Cut flower Brassica with feathery leaves
- Feather Queen and Feather King have a very uniform, upright habit and complement each other very well

### Round leaved type

- Winter bouquets are much more charming with the round shape, varied colours and long-lasting vase life of the Crane series
- Genetically, the flower head was bred to be compact; however, plant spacing will determine the size of the flower as well
- Crane Pink, Red and White have a very uniform, upright habit and complement each other very well



Feather King  
FHB703



Feather Queen  
FHB702



Arrange Green  
Green feathery leaves are suitable for filler materials in bouquets and flower arrangements.



Unique cut leaves accentuate flower arrangement.

**Takii's Brassica Variety Comparison among Cut Flower types**

Variety	Plant Height
Flare Rose (NEW)	B
Flare White (NEW)	A
Crane Bicolor	B
Crane Pink	A
Crane Red	B
Crane Rose	B
Crane White	A
Crane Feather King	A
Crane Feather Queen	B
Lucir Red	B
Lucir White	A
Sunrise	B
Sunset	B
	Taller A Shorter B



Crane Bicolor with Japanese taste



Bicolor  
FHB701



Pink  
FHB690



Red  
FHB684



Rose  
FHB685



White  
FHB652

# Sunrise™ and Sunset™



**Brassica oleracea**

● 20-25°C / 68-77°F 
 ● 4-5 days 
 ● 300-500 sd/g

- The colours of Sunrise (creamy white with pink centre) and Sunset (red) complement each other, working well in any floral arrangement
- The size of the head is determined by plant spacing



Sunrise  
FHB314



Sunset  
FHB312

# F1 Lucir™ series



## *Brassica oleracea*

20-25°C/ 68-77°F 4-5 days 200-400 sd/g

- A very unique Brassica which has glossy green leaves
- In comparison to existing Brassica, the waxless glossy leaves of this Brassica show better colour contrast of the centre colouring



Left: F1 Lucir Right: F1 Crane

Lucir has glossy green leaves



The stunning Lucir Rose blended with the ever-popular rose brings beautiful colour, texture and lasting abilities in floral designs



Rose  
FHB711



Can be a pot plant with PGR



White  
FHB712



Can be a pot plant with PGR

# Star™ series



## *Calendula officinalis*

Dark required 21-24°C/ 70-75°F 8-10 days 100-200 sd/g

- Highly valued for cut flower use with tall, sturdy stems and large double flowers
- The Star series is bred with special attention to higher disease resistance and good productivity



Gold  
FKN201



Orange  
FKN202

# Fujimi™ series

## Callistephus chinensis

■ 15-20°C/ 59-68°F 
 ■ 6-8 days 
 ■ 450-800 sd/g

- Fujimi has three-dimensional shaped double-flowers
- Fujimi has more Fusarium resistance when compared to other varieties, resulting in reduced losses in production
- Spray type (less basal branching) plant habit and smaller leaves is suitable for dense planting



**Coral Rose**  
FAS571



**Purple**  
FAS573



**Scarlet**  
FAS572

### Takii's Callistephus Variety Comparison among Series

Type	Series	Variety	Flower Size		Branching	Plant Height (cm)	Stem Strength	Fusarium Resistance	Characteristic
			cm	inch					
Double Flowered	Fujimi	Coral Rose (NEW)	4-5	1.6-2	Less	90-100	Very Hard	R	Less basal branching (Upper branching)
		Purple (NEW)	4-5	1.6-2	Less	90-100	Hard	R	Less basal branching (Upper branching)
		Scarlet (NEW)	4-5	1.6-2	Less	90-100	Very Hard	R	Less basal branching (Upper branching)
Semi-double Flowered	Nina	Pink	4	1.6	Good	70-80	Hard	Non R	Hard stem. Relatively less branching
		Purple (NEW)	4	1.6	Good	70-80	Hard	R	Hard stem. Good basal branching
		Sarmon Pink	4	1.6	Good	70-80	Normal	Non R	Good basal branching
Single Flowered	Daylight	Blue Frost	2-3	0.8-1.2	Good	70-80	Hard	R	Flower colour changes from white to blue
		Purple Imp (NEW)	2-3	0.8-1.2	Good	70-80	Hard	R	
		Red Imp (NEW)	2-3	0.8-1.2	Good	65-70	Very Hard	R	
		Rose Frost	2-3	0.8-1.2	Good	70-80	Hard	R	Flower colour changes from white to rose
		Rose Imp (NEW)	2-3	0.8-1.2	Good	70-80	Hard	R	
		White	2-3	0.8-1.2	Good	70-80	Hard	R	

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

<Disclaimer>

\*1. Takii's Fusarium resistant Callistephus highly restricts the growth and development of the above stated pathogen and the damage they cause under normal pathogen pressure when compared to susceptible varieties. It may, however, exhibit some disease symptoms or damage under heavy pathogen pressure.

\*2. New and / or atypical strains of the specified pathogen may overcome the resistance, sometimes completely.

# Nina™ series



70-80cm  
28-32 inches

## Callistephus chinensis

● 15-20°C/ 59-68°F ● 6-8 days ● 400-700 sd/g

- Nina has large numbers of small semi-double flowers on vigorous plants
- Nina series has more disease resistance when compared to other varieties, resulting in reduced losses in production
- This spray-type Callistephus is excellent for mixed bouquets



Pink  
FAS381



Purple  
FAS386



Salmon Pink  
FAS385



# Daylight™ series



70-80 cm  
28-32 inches

## Callistephus chinensis

● 15-20°C/ 59-68°F ● 6-8 days ● 380-700 sd/g

- Vigorous plants produce large numbers of small single flowers
- Blue Frost and Rose Frost change petal colours from white to blue or white to rose as each flower matures which makes an attractive colour gradation on each stem
- All colours of Daylight series have Fusarium resistant



Blue Frost  
FAS368



Purple Imp  
FAS374



Red Imp  
FAS372



Rose Frost  
FAS367



Rose Imp  
FAS373



White  
FAS369



# Kurenai™ series



## *Callistephus chinensis*

■ 20-25°C / 68-77°F 
 ■ 6-8 days 
 ■ 420-700 sd/g

- Good branching habit
- Semi-double flowers of medium size



Purple  
FAS561



Red  
FAS543



Rose  
FAS553



White  
FAS555

# Kinko™ and Zanzibar™



## *Carthamus tinctorius*

Dark required 
 ■ 15-20°C / 59-68°F 
 ■ 4-6 days 
 ■ 19-35 sd/g

- High quality cut flower item, can be harvested about 90 days after sowing
- Carthamus is sensitive for Manganese deficit. Leave fertilizing is effective to prevent this problem



Kinko  
FSZB92



Zanzibar  
FSZB95

# Kurume™ series



## *Celosia cristata*

Dark required 
 ■ 20-25°C / 68-77°F 
 ■ 8-10 days 
 ■ 1,300-1,600 sd/g

- Kurume varieties are crowned with grand combs of vivid colour
- They have very high tolerance to heat, drought and disease, and are prized for summertime cut flower use
- Dense planting, spaced 10-15 cm / 4-6 inches apart will produce smaller combs and thinner stems



Corona  
FKT112



Gold  
FKT113



New Scarlet  
FKT122



Orange Red  
FKT120



Rose  
FKT116

# F1 Aurora™ series



90-120 cm  
35-47 inches

## *Delphinium elatum*

Dark required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 300-550 sd/g

- Takii's F1 hybrid Aurora Delphinium's popularity continues to increase due to its outstanding performance as a cut flower as well as a garden perennial
- Excellent uniformity and quality
- Stems are very sturdy and leaves are relatively small, which make it ideal for cut flower use



Aurora can be used as garden plants or large container plants





Blue  
FDL205



Deep Purple  
FDL208



Lavender  
FDL207



Light Blue  
FDL211



Light Purple  
FDL212



White  
FDL213



### Variety Comparison among Series

Variety	Flower Size		Plant Height		
	cm	inch			
Blue	5.5	2.2	C		A
Deep Purple	5.5	2.2	A		B
Lavender	6.0	2.5	C		B
Light Blue	5.5	2.2	B		B
Light Purple	5.5	2.2	C		B
White	6.0	2.5	C	Shorter	C

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

### Seed Storage

Store seeds under dry and low temperature (approx. 5°C/40°F) condition. Storing seeds at room temperature (above 18°C/46°F) may result in very low germination.

### Tips for cultivation

- Warm temperatures and long day conditions induce flowering.
- Plug finish time is 5-6 weeks. During this time, optimal growing temperatures are 15-25°C/60-78°F.
- 2-3 weeks after transplanting the flowering stems will start to elongate.
- Short day conditions will induce rosetting. When plants have fewer than 5 true leaves, temperatures below approximately 15°C/60°F will also induce rosetting.
- Under short day conditions, 4 hours of night interruption will help initiate and develop flowering.

# Cannes™ series

80-140 cm  
32-55 inches

## *Consolida spp.*

Dark required ■ 13-18°C/ 55-64°F ■ 10-20 days ■ 200-400 sd/g

- Cannes series is disease resistant when compared to the other varieties, with much reduced losses in production
- Warm temperatures and long-day conditions induce flowering
- For harvest in winter season under short-days and cold conditions, maintaining temperatures above 10-13°C/ 50-55°F at night and providing day-length extension of 4 to 6 hours encourages better stem elongation and flower development



Blue Picotee  
FTD243



Crystal Pink  
FTD245



Deep Blue  
FTD241



Lilac  
FTD242



Purple Picotee  
FTD251



Rose Stripe  
FTD252



White  
FTD255

# F1 Carousel™

50-60 cm  
20-24 inches

## *Dianthus barbatus*

■ 21-24°C/ 70-75°F ■ 5-6 days ■ 800-1,000 sd/g

- The plants have uniform masses of red flowers on sturdy stems and a free-flowering habit
- For best quality cut flower production, pinching is necessary at the 12th leaf stage (=pinch at 6th node). Leave only 5 - 6 stems of the side branches, removing all other extra branches
- Plants need temperatures lower than 15°C/ 59°F for soft vernalisation



# F1 First Love™



50-70 cm  
20-28 inches

## *Dianthus hybrida*

■ 21-24°C/ 70-75°F 
 ■ 5-6 days 
 ■ 900-1,400 sd/g

- First Love produces serrate-edged flowers changing from white to pink as the individual flowers age
- Excellent continuous flowering habit until a hard freeze
- Thin but very sturdy spray-type stems are good performers as a cut flower as well as garden plant



FND511



Dianthus

Echinacea

# Bravado™



100-120 cm  
39-47 inches

## *Echinacea purpurea*

■ 18-20°C/ 64-68°F 
 ■ 7-10 days 
 ■ 280-300 sd/g

- It is a first year flowering, hardy perennial plant
- It normally blooms from summer to early autumn
- A particularly attractive garden plant, which attracts a lot of butterflies. It can be also used for cut flowers



FSZA66



It can be marketed as ornamental discs when petals are removed

# Purple Sheen™



80-120 cm  
32-47 inches

## *Eryngium leavenworthii*

■ 20-25°C/ 68-77°F 
 ■ 12-20 days 
 ■ 600-1,000 sd/g

- Vibrant purple-crimson flowers on sturdy stems with soft bracts can be great as a vase filler
- 6-7 months from sowing to flower
- The plants prefer sunny and dry conditions



FSZA44



Eryngium

# Audray™ series



80-100 cm

32-39 inches

## *Gomphrena globosa*

● 22-25°C/ 72-77°F ● 10-12 days ● 300-500 sd/g

- Audray can be used both for fresh and dried arrangements
- It is also an excellent tall garden plant that withstands hot and humid conditions



Bicolor Rose  
FSE165



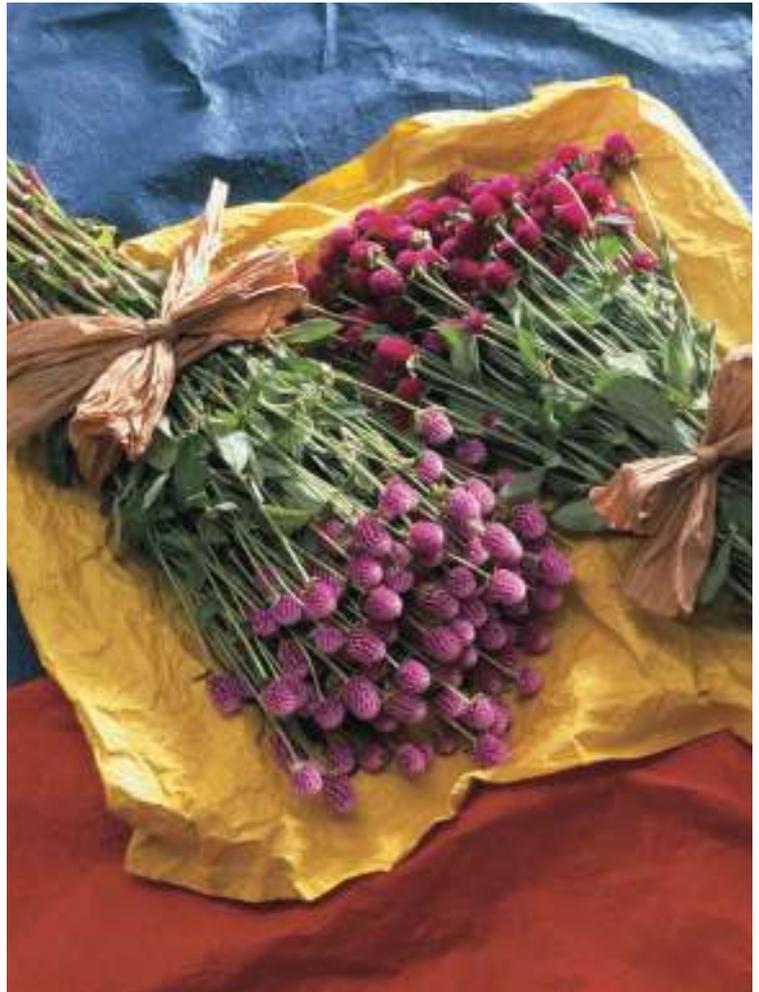
Pink  
FSE168



Purple Red  
FSE167



White  
FSE173



Creative opportunities abound with Audray

# Hairy Balls™



120 cm

47 inches

## *Gomphocarpus physocarpus*

● 20-30°C/ 68-86°F ● 7-10 days ● 200 sd/g

- The unusual fruit is light green, round with soft spines and are selected for cut flower decorations and conservatory plants
- It also can be an attractive unique item for mixed bouquets
- 12 hours day length is required for flower



FSZE22

# F1 Sunrich® Orange DMR 90-150 cm 35-59 inches

*Helianthus annuus*

■ 20-25°C/ 68-77°F 
 ■ 3-4 days 
 ■ 15-26 sd/g

## 55-70 day type

- The world's first downy mildew highly-resistant variety for ornamental Helianthus
- With the introduction of F1 Sunrich Orange DMR, Helianthus production will be drastically changed. Growers have less to worry about when it comes to problems with downy mildew. This DMR breakthrough's added-value provides substantial benefits with high yield results and the reduction of chemical use
- Resistant to multiple strains of downy mildew (plasmopara halstedii)
- Plant height, growing speed as well as flower shape and colour are similar to F1 Sunrich Orange. F1 Sunrich Orange DMR flowers in 55-70 days after sowing, depending on conditions

<Disclaimer>

- \*1. F1 Sunrich Orange DMR highly restricts the growth and development of the above stated pathogen and the damage they cause under normal pathogen pressure when compared to susceptible varieties. It may, however, exhibit some disease symptoms or damage under heavy pathogen pressure.
- \*2. New and / or atypical strains of the specified pathogen may overcome the resistance, sometimes completely.



FHM457



**SUNRICH**

Helianthus (Sunflower)

## What is Downy Mildew (*Plasmopara halstedii*)?



*Plasmopara halstedii* is one of the major plant pathogens that infect *Helianthus*. The symptom shows as light yellowish-green spots on the upper side of leaves alongside main veins. It eventually grows and spreads to become a lesion, and on its underside light gray mold grows. Severely infected plants will not have ornamental value. The stems will not reach enough height and will not be good quality cut flowers.



# F1 Sunrich® series



90-150 cm  
35-59 inches

## *Helianthus annuus*

● 20-25°C/ 68-77°F ● 3-4 days ● 15-26 sd/g

### 55-70 day type

- The Sunrich series has superb quality and is maintaining its leading status in the Helianthus market
- Flowers of the Sunrich series are pollenless, long-lasting, densely petaled and upright facing on strong stems
- The series flowers in 55-70 days after sowing depending on growing conditions

### 50-65 day type

- Limoncello Summer presents a stable bicolour of vibrant yellow transitioning to a light, creamy yellow at the tips. This uniqueness brings a great accent to the Helianthus market
- F1 Sunrich Orange Summer and Lemon Summer flower 5 to 10 days earlier than F1 Sunrich Orange and Lemon, but the flower shapes and colours are identical to Sunrich Orange and Lemon, respectively
- Suitable for spring to summer cultivation with sowing and growing under long-day conditions

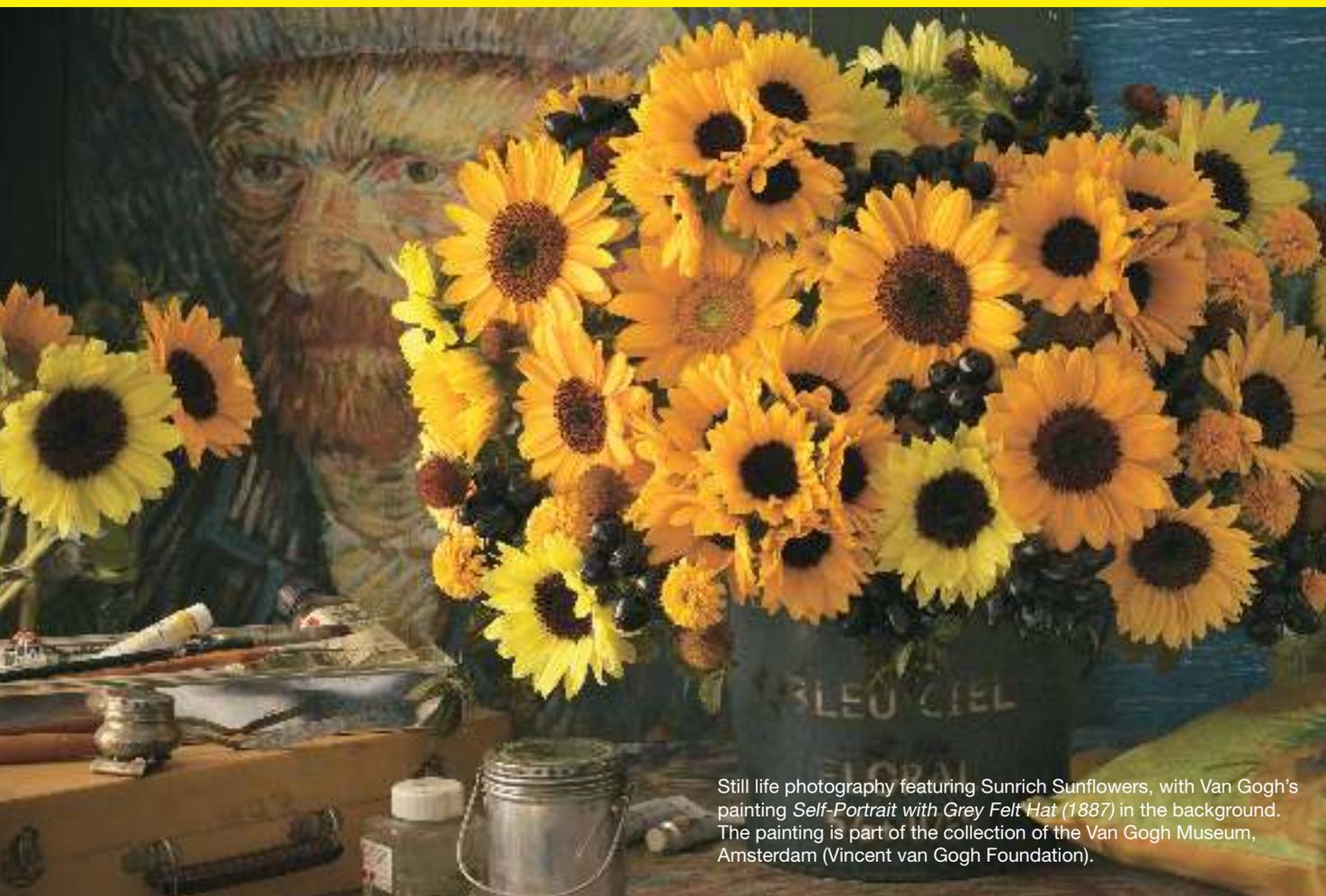
#### The Partnership with the Van Gogh Museum

We, Takii & Co. Ltd, have had a partnership with the Van Gogh Museum since 2015. The great artist Vincent Van Gogh profoundly loved sunflowers. We enthusiastically bring smiles and cheers all over the world with our sunflowers. We continue to collaborate with the Van Gogh Museum in various events with our Sunrich sunflowers.



Van  
Gogh  
Museum

Amsterdam



Still life photography featuring Sunrich Sunflowers, with Van Gogh's painting *Self-Portrait with Grey Felt Hat (1887)* in the background. The painting is part of the collection of the Van Gogh Museum, Amsterdam (Vincent van Gogh Foundation).



55-70 day type



Gold  
FHM515



Lemon  
FHM511



Lime  
FHM521



Orange  
FHM512

50-65 day type



Lemon Summer  
FHM501



Limoncello Summer  
FHM456



Orange Summer  
FHM520



Provence Summer  
FHM459

Taki's Helianthus  
Characteristics of the cut varieties

Variety	Petal	Disk	Days to bloom	Remark
F1 Sunrich Orange DMR	Orange	Black	55-70 days	Downy mildew highly-resistant
F1 Sunrich Orange	Orange	Black		The quality standard in the market
F1 Sunrich Lemon	Yellow	Black		
F1 Sunrich Gold	Orange	Green		
F1 Sunrich Lime	Yellow	Green		
F1 Sunrich Orange Summer	Orange	Black	50-65 days	
F1 Sunrich Provence Summer (NEW)	Deep Orange	Black		
F1 Sunrich Lemon Summer	Yellow	Black		
F1 Sunrich Limoncello Summer	Lemon with yellow base	Black	45-55 days	Extra-early varieties
F1 Premier Orange	Orange	Black		
F1 Premier Lemon	Yellow	Black		
F1 Premier Light Yellow	Light Yellow	Black	60-80 days	Round orange flowers with dark disks
F1 Tiffany	Orange	Black		
F1 Full Sun Improved	Dark Yellow	Black	55-100 days	Sufficient stem length even under short day conditions

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

# F1 Premier™ series



## *Helianthus annuus*

● 20-25°C/ 68-77°F ● 3-4 days ● 20-50 sd/g

### 45-55 day type

- Premier series is a non-branching F1 hybrid pollenless *Helianthus*
- Premier is extra-early offering a very short crop time of approximately 45-55 days from sowing with excellent uniformity
- Sowing is recommended under long day conditions for early summer harvest to secure enough stem length



F1 Premier Light Yellow



F1 Premier Orange



Lemon  
FHM517



Light Yellow  
FHM513



Orange  
FHM455

# F1 Full Sun Improved™



## *Helianthus annuus*

● 20-25°C/ 68-77°F 
 ● 4-6 days 
 ● 16-20 sd/g

### 55-100 day type

- It can have sufficient stem length even under short-day conditions in the temperate climate area
- It is preferable to have 18°C/ 65°F at the lowest temperature for growth
- Depending on conditions such as low temperatures, the culture time can be even longer than the stated 55-100 days



FHMA13

Helianthus (Sunflower)

# F1 Tiffany™



## *Helianthus annuus*

● 20-25°C/ 68-77°F 
 ● 4-6 days 
 ● 18-20 sd/g

### 60-80 day type

- Professional quality
- Round orange flowers with dark discs



FHMA14

Limonium (Statice)

# Pastel Shades™



## *Limonium sinuatum*

● 15-20°C/ 59-68°F 
 ● 10-15 days 
 ● 350-450 sd/g

- Pastel Shades is an early-flowering variety of Limonium (Statice)
- Long-lasting as a fresh cut flower, Pastel Shades is also excellent when used dried in arrangements



FSU260

# F1 Arena™ series

80-100 cm  
32-39 inches

Flower Earliness	Flower Size
I~IV*	Large

\* See the below grouping

## *Eustoma grandiflorum*

Light required ● 15-20°C/ 59-68°F ● 20-25 days ● 900-1,200 pel/g

- Introducing new colours every year, the Arena series now totals 18 varieties, giving more choices for growers, florists and consumers
- Selected for its high quality and fully double flowers on strong and sturdy stems
- Thick petals help transportability and large buds on the top increase the attractive character of the stems
- Arena III Pink may have less doubleness under high temperature conditions during flower bud formation stage

\*Taki's Lisianthus is classified into four groups according to earliness of flowering.

Group
I : Early
II : Middle
III : Mid-Late
IV : Late



I Light Pink  
FRS890



II Kilimanjaro  
FRS784



II Light Pink  
FRS748



II Purple Picotee  
FRS873



II White  
FRS781



III Apricot  
FRS724



III Baby Pink  
FRS674



III Blue Picotee  
FRS723



III Champagne  
FRS708



III Gold  
FRS732



III Green  
FRS728



III Hot Pink  
FRS727



F1 Arena III Purple



F1 Arena III Hot Pink



III Pink  
FRS702



III Pink Flash  
FRS725



III Purple  
FRS892



III Red  
FRS741



IV Rose  
FRS705



IV White  
FRS731

**Variety Comparison among Arena**

Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
	cm	inch				
F1 Arena I Light Pink	7.5	3.0	Excellent	Medium	Normal	Early, abundant flower
F1 Arena II Kilimanjaro	8.0	3.2	Excellent	Medium	Very Hard	Abundant flower under strong sunlight
F1 Arena II Light Pink	7.5	3.0	Good	Medium	Hard	Medium-size flowers with the colour like cherry blossoms
F1 Arena II Purple Picotee (NEW)	8.0	3.2	Good	Short	Normal	Picotee edge is vivid and stable
F1 Arena II White	8.0	3.2	Good	Medium	Very Hard	Excellent flower shape, Strong stem
F1 Arena III Apricot	8.0	3.2	Good	Tall	Hard	Unique colour of flower
F1 Arena III Baby Pink	8.0	3.2	Good	Medium	Hard	Wavy, thick petals with good transportability
F1 Arena III Blue Picotee	7.5	3.0	Good	Tall	Very Hard	Thick petal and top flowering type
F1 Arena III Champagne	8.0	3.2	Good	Medium	Hard	Large flowers with many petals
F1 Arena III Gold	8.0	3.2	Good	Tall	Hard	High performance with its yellow gold flower
F1 Arena III Green	7.5	3.0	Excellent	Medium	Hard	Nice thick flower petal, good sturdy stem
F1 Arena III Hot Pink (NEW)	8.5	3.4	Good	Tall	Hard	Deep Pink. Stable doubleness under high temperature
F1 Arena III Pink	8.0	3.2	Good	Tall	Hard	Bright pink under fluorescent light
F1 Arena III Pink Flash	8.0	3.2	Good	Tall	Very Hard	Sturdy stem with high quality flower
F1 Arena III Purple (NEW)	7.0	2.8	Good	Medium	Hard	Curly, thick petals with deep purple colour
F1 Arena III Red	6.0	2.4	Good	Tall	Hard	Vivid red, Unusual colour for Eustoma
F1 Arena IV Rose	7.0	2.8	Good	Very Tall	Very Hard	Suitable for season when it gets difficult to secure enough stem length
F1 Arena IV White	8.0	3.2	Good	Very Tall	Very Hard	Long stems suitable for cultivation under high temperatures and strong light intensity

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

Double Flowered

# F1 Corelli™ series



Flower Earliness	Flower Size
II~III*	Large

\* See page 94

## *Eustoma grandiflorum*

Light required ● 15-20°C/ 59-68°F ● 20-25 days ● 900-1,200 pel/g

- Corelli has excellent large, double flowers with elegant fringed, curly petals
- Along with large flower buds it has an elegant yet playful appearance, and can create a classical ambience
- Top branching, superb for bouquet usage
- Excellent vase life



F1 Corelli II Light Pink

II Light Pink  
FRS872II White  
FRS870II White Imp  
FRS871III Apricot  
FRS766

### Variety Comparison among Corelli

	Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
Double Flowered with fringed	F1 Corelli II Light Pink (NEW)	8.5	3.4	Good	Medium	Very Hard	Stable flower colour and thick petals
	F1 Corelli II White	8.5	3.4	Good	Medium	Normal	Early, large size flower
	F1 Corelli II White Imp (NEW)	8.5	3.4	Good	Medium	Hard	Large flower with stable fringed flower petals
	F1 Corelli III Apricot	8.5	3.4	Good	Medium	Hard	Highest number of petal and stable doubleness within Corelli series
	F1 Corelli III Blue	8.5	3.4	Good	Short	Normal	Easy to get single flower under high temperature
	F1 Corelli III Light Pink	8.5	3.4	Good	Very Tall	Normal	Fringe is less compared to other colours in this series
	F1 Corelli III Rose	8.0	3.2	Good	Tall	Very Hard	Thick petal with good transportability
	F1 Corelli III Yellow	8.5	3.4	Good	Medium	Normal	Strong fringed flower, good vase life

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.



III Blue  
FRS767



III Light Pink  
FRS764



III Rose  
FRS762



III Yellow  
FRS763



F1 Corelli II White Imp

# F1 Falda™ series 80-100 cm 32-39 inches

Flower Earliness	Flower Size
II*	Middle

\* See page 94

## *Eustoma grandiflorum*

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 900-1,200 pel/g

- Gorgeous with its fringed single petals
- Abundant flowers on each stem
- Uniqueness attracts florists, driving new ideas for bouquet arrangements
- Fringed flower makes voluminous bouquet, especially when many flowers are used in one vase
- Thick flower petals and sturdy stems make for good transportability



II Light Apricot  
FRS673



II Salmon  
FRS672



### Variety Comparison among Falda

	Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
Single Flowered	F1 Falda II Light Apricot	5.0	2.0	Good	Medium	Hard	Nice colour, Gorgeous in bouquet
	F1 Falda II Salmon	5.0	2.0	Good	Medium	Hard	Unique colour, Thick petal

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

# F1 Croma™ series



80-100 cm

32-39 inches

Flower Earliness	Flower Size
I~IV*	Middle

\* See page 94

## *Eustoma grandiflorum*

Light required ● 15-20°C/ 59-68°F ● 20-25 days ● 900-1,200 pel/g

- Croma has excellent rose-like flowers
- Croma's thick, strong petals and extra-double flowers set it apart as a premium variety. Due to the strength of the flowers and stems, it is well suited for cold chain shipping.
- Croma is attractive to florists with its versatility in arrangements along with its high consumer appeal
- IV Lavender Imp is later flowering and with higher plant height than IV Lavender



I Green  
FRS788



II Snow  
FRS787



III Blue Picotee  
FRS802



III Green  
FRS804



# CROMA



2017 NEW  
III Pink Picotee  
FRS891



2017 NEW  
III Silky White  
FRS786



F1 Croma III Pink Picotee



III White  
FRS785



III Yellow  
FRS801



IV Lavender  
FRS746



IV Lavender Imp  
FRS745

**Variety Comparison among Croma**

	Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
Double Flowered	F1 Croma I Green	6.0	2.4	Good	Short	Normal	Good doubleness and thick petal
	F1 Croma II Snow	6.0	2.4	Good	Medium	Hard	Early flowering type compare to Croma III White
	F1 Croma III Blue Picotee	6.0	2.4	Excellent	Medium	Hard	Stable Picotee, high doubleness, top flowering
	F1 Croma III Green (NEW)	6.0	2.4	Excellent	Tall	Normal	Slow growth at early stage, but vigorous growth at later stage
	F1 Croma III Pink Picotee (NEW)	7.0	2.8	Good	Medium	Normal	Larger with more open flower shape within Croma series
	F1 Croma III Silky White (NEW)	7.0	2.8	Good	Medium	Hard	Pure white. More open flower shape compared to Croma III White
	F1 Croma III White	7.0	2.8	Good	Medium	Hard	Rosy flower, Excellent performance, Nice shape flower with good doubleness
	F1 Croma III Yellow	6.0	2.4	Good	Tall	Hard	High doubleness
	F1 Croma IV Lavender	6.0	2.4	Excellent	Short	Very Hard	Late variety, Very hard stem
F1 Croma IV Lavender Imp	7.0	2.8	Excellent	Medium	Very Hard	Taller, larger flower than Croma IV Lavender	

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

# Lisianthus (Eustoma) F1 Super Magic™ series



70-90 cm  
28-35 inches

Flower Earliness	Flower Size
Mid-early	Large

## *Eustoma grandiflorum*

Light required ● 15-18°C/ 59-64°F ● 20-25 days ● 700-1,200 pel/g

- Super Magic is a double flowered mid-early series
- Top flowering habit with large sized flowers
- The wide colour assortment, including spectacular colours of Apricot and Champagne, provides a complete range for professional growers
- Deep Blue may have less doubleness under high temperature conditions during flower bud formation stage



Apricot  
FRSG71



Capri Blue Picotee  
FRSH51



Champagne  
FRSG53



Deep Blue  
FRSG72



Green  
FRSG73



Lilac  
FRSG56



Pink  
FRSG811



Pure White  
FRSG63



Rose  
FRSG59



White  
FRSG79



Yellow  
FRSG62

### Takii's Lisianthus flowering earliness

Arena, Croma, Corelli, Falda and Vulcan series are classified into four groups; I, II, III, IV, according to earliness of flowering.

I	II	III	IV
Early-Middle	Middle	Middle-Late	Late
Arena I	Arena II	Arena III	Arena IV
Croma I	Croma II	Croma III	Croma IV
	Corelli II	Corelli III	
	Super Magic	Advantage	
	Vulcan II		
	Falda II		

# F1 Vulcan™ II Blue Picotee



Flower Earliness	Flower Size
II*	Middle

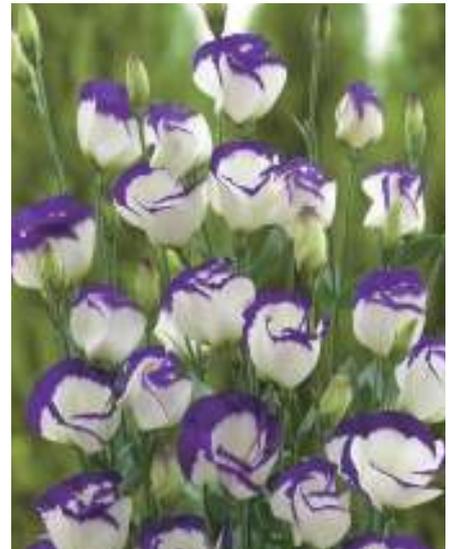
\*See page 94

## *Eustoma grandiflorum*

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 900-1,200 pel/g



- Selected for its high quality, large cup-shaped flowers on strong and sturdy stems
- The thick flower petals of Vulcan increase its transportability
- Vulcan II Blue Picotee presents a more uniform blue rim when compared to other blue picotee Lisianthus



FRS664

### Variety Comparison among Vulcan

Single Flowered	Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
	F1 Vulcan II Blue Picotee	4.5	1.8	Excellent	Middle	Very Hard	Thick petal, top flowering

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

# F1 Advantage™ series



Flower Earliness	Flower Size
Middle	Middle

## *Eustoma grandiflorum*

Light required ■ 15-18°C/ 59-64°F ■ 20-25 days ■ 700-1,200 pel/g

- Middle-late flowering, fully double large flower
- Thicker and stronger stems are more suitable for production under high temperature and long day conditions



Cherry Sorbet  
FRSG41



Green  
FRSG42



Pink  
FRSG46



Purple  
FRSG43



Yellow  
FRSG44

**High double type**

- Average of 90% double-flowering type

**Canneto White™**80-90 cm  
32-35 inches*Matthiola incana*

Dark required ● 18-21°C/ 64-70°F ● 4-5 days ● 480-600 sd/g

- Early flowering
- Approximately 7 to 10 days later than Noble series
- Dense flower spike with sturdy stem
- Hairy-leaved type



FST336



# Noble™ series



## Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 400-600 sd/g

- Extra-early flowering
- The full doubleness of Noble is breathtaking
- Closely arranged florets make a massive display on a sturdy stem
- Uniform growth makes Noble the grower's choice
- Hairy-leaved type



Cream Yellow  
FST318



White  
FST320

# Regal White™



## Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-570 sd/g

- Sturdy and uniform plants
- Large, white flowers form full columns on sturdy stems
- Hairy-leaved type



FST321

# Snow Wonder™



## Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-550 sd/g

- Extra-early flowering
- Uniform plants produce an abundance of pure white blooms
- Hairy-leaved type



FST322

# White Wonder™



## Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-600 sd/g

- Extra-early flowering
- This bright-green leaved variety produces well formed spikes
- It is improved for stem strength and better flower shape



FST181

**Selectable type**

- Seedlings are selectable for doubleness

# Glory™ series


*Matthiola incana*

Dark required ● 18-21°C/ 64-70°F ● 4-5 days ● 500-700 sd/g

- Glory series is an improvement over the Xmas series
- Uniform blooms are produced on straight and sturdy stems
- Doubles can be identified by cotyledon colour (**See page 47**)



Blue  
FST257



Cherry  
FST252



Lavender  
FST255



Light Purple  
FST258



Pink  
FST256



Rose  
FST253



White  
FST193

# Xmas™ series


*Matthiola incana*

Dark required ● 18-21°C/ 64-70°F ● 4-5 days ● 500-800 sd/g

- The non-branching gray-green leaved series produces a mass of blooms
- Xmas can be grown both in unheated glasshouses as well as outdoor field production
- Doubles can be identified by cotyledon colour (**See page 47**)



Apricot  
FST328



Blue  
FST131



Ocean  
FST139



Pink  
FST135



Rouge  
FST324



Ruby  
FST134



White  
FST133

# Virgo™ 60 cm / 24 inches

## *Tanacetum parthenium*

Light required ■ 15-20°C/ 59-68°F ■ 3-5 days ■ 6,500-7,000 sd/g

- Straight and stiff stem
- Excellent filler for mixed bouquets
- Virgo can be grown year round under 13-15°C/ 55-60°F with long-day conditions



FMTA22

Tanacetum (Matricaria)

# F1 Sun™ series 60-80 cm / 24-32 inches

## *Zinnia elegans*

■ 20-22°C/ 68-72°F ■ 5-6 days ■ 100-150 sd/g

- This series produces masses of large, fully double flowers
- Sun series blooms 60-70 days after sowing



Cherry  
FZN642



Gold  
FZN641



Red  
FZN651



Sunshine Mix  
FZN652



Zinnia

# Terms and Conditions of Sale

## 1. DELIVERY

Unless otherwise agreed in advance, seller will endeavour to deliver the goods by the way which seller deems to be best. The seller will not take responsibility for any delay or loss after the goods have left seller's warehouse or stock depot.

## 2. USE OF SEED

All the seed is sold for the purpose of horticultural and/or agricultural crop only. It is expressly forbidden to use the seeds for multiplication or reproduction purposes.

No responsibility whatsoever, will be accepted for any seeds reproduced.

## 3. DELIVERY DUTY

Advanced orders for the seeds where seed crops have not yet been received by the seller are booked subject to the restriction of an average yield of standard germinating seeds and quality standards. Should the yield be lower than average, the seller has the right to deliver pro rata or will be dismissed from his delivery duty in case of total crop failure.

## 4. PROPERTY RIGHT

The seller remains an owner of the goods until the time full payment has been made.

## 5. COMPLAINTS

Any claims for quantity and appearance of seeds shall be submitted within 6 working days from the receipt of the seeds.

Any claims for the contents of invoice shall be submitted within 6 working days from the receipt of the seeds.

Any claims for germination and physical purity have to be submitted within 30 days from the receipt of the seeds.

Complaints about varietal purity of the seeds supplied must be made as soon as possible, in any case, at the point of time that the crop can still be examined in the field by both parties.

No complaint can be considered unless clear proof can be given that the seed grown and alleged to have performed unsatisfactory was in fact the seed supplied by the seller and that it was sown on suitably prepared ground, including soil and any type of growing medium, treated carefully and correctly throughout and subject only to such conditions as were likely to produce a favorable crop.

## 6. NON PAYMENT

The seller reserves the right to withhold deliveries until all and any outstanding payments have been received and reserve a lien upon and the right to sell or otherwise dispose of all the goods for which payments have not been made.

If the buyer does not make full payment within a period agreed upon, an interest is charged at 1.5% per month.

## 7. SOLVENCY

Condition for the delivery duty is that the buyer has an unconditional solvency. If the seller receives before shipment, any information from a bank, credit office or any other reliable source which leads the seller to believe the buyer's solvency is at risk, the seller has the right to demand security for payment or to cancel the shipment.

## 8. LATENT DEFECT

Diseases of plants can be transmitted by the wind, insects, animals or by humans and may be seed borne or soil borne. It is not a condition of sale nor do we warrant that any seed sold by the seller shall be free from such a deficiency and the seller will not be responsible in any way for the resultant crop.

## 9. FORCE MAJEURE

The seller shall not be responsible for any delay of goods or any part thereof, caused by any act of God, action by any government, strike, lockout, combination of workers, riot or civil commotion, breakdown of machinery, power failure, fire, crop failures grown by the seller or on the seller's behalf and/or any other contingency beyond the control of the seller.

## 10. INSURANCE

Unless otherwise agreed upon in advance, the seller will insure the goods, at the cost of the buyer, for the damage in the transportation under the seller's open policy.

## 11. PRODUCT DESCRIPTIONS

Descriptions, illustrations and/or photographs shown in catalogues, leaflets and/or any other documents are based upon the results obtained under favorable conditions. Identical results are not guaranteed nor implied for all growing conditions.

## 12. DISEASE AND/OR PEST RESISTANCE

Resistance and susceptibility claimed by the seller in the descriptions of the varieties are based upon the results obtained under conditions and with strains (races) of pathogens available in Japan. The seller does not guarantee identical results when the seeds are grown under different conditions.

## 13. OTHER CONDITIONS

Conditions not stipulated in the terms and conditions of sale are subject to the International Seed Federation (ISF) Rules and Usages for the Trade in Seeds for Sowing Purpose.

## Limitation of Liability

All seeds we sell are properly cleaned, dried and graded up to our international standard, and the germination and purity are tested at our laboratory before the shipment, and data of the test will be furnished when so asked.

However, in view of the nature of merchandise and in accordance with universal custom of the seed trade, WE HAVE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR PURPOSE OR OTHER WARRANTY, EXPRESS OR IMPLIED.

No claim or liability shall be asserted unless the buyer or user shall have reported within a reasonable period as stipulated in clause-5 "Complaints" of terms and conditions of sale.

OUR LIABILITY IS LIMITED IN AMOUNT TO THE PURCHASE PRICE OF THE SEEDS, WHETHER ARISING FROM CONTRACT, NEGLIGENCE, WARRANTY, OR ANY OTHER CAUSE. WE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.



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